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This report, the second in a series, summarizes the univariate statistics obtained in an anthropometric survey of women in the U. S. Army conducted at Fort Sam Houston, Texas; Fort McClellan, Alabama; Walter Reed Medical Center, the District of Columbia; and Fort Jackson, South Carolina, during the winter of 1976-1977. This survey, carried out to satisfy the need by the U. S. Army for up-to-date data on the body sizes and strength capabilities of the women who now constitute a substantial portion of its personnel, represents the

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20. ABSTRACT (continued)

△ first major anthropometric survey of Army women since 1946.

Data for 69 body size measurements were obtained on a sample of 1,331 women who covered wide ranges of age, rank, and military assignment. Additional data were obtained on subsamples of between 200 and 300 women for: (a) other standard body size measurements, (b) workspace measurements, (c) head and face measurements, and (d) static strength measurements. Summary statistics and frequency distributions are given here for all these measurements, plus age.

Full descriptions of the measurement techniques and the design and conduct of the survey have already appeared in the first of this series of reports. Brief definitions, illustrations of measurements, and outlines of the computational and statistical procedures used in preparing this report are included here.

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PREFACE

This report provides the basic statistical results of an anthropometric survey of Army women. The survey was carried out and this report prepared by the Anthropology Research Project of Webb Associates, Inc., Yellow Springs, Ohio, under contract DAAG17-76-C-0010 with the U. S. Army Natick Research and Development Command, Natick, Massachusetts. Mr. Edmund Churchill acted as senior investigator and Mr. Robert M. White as project officer for the Natick Research and Development Command. Mr. Thomas Churchill was responsible for editing the data and for the computational aspects of this report. Ms. Jane Reese and Ms. Ilse Tebbetts undertook the editing, proofreading and final preparation of the report for publication.

Administrative support, without which the survey would have been impossible, was provided at Fort Sam Houston by Colonel Maurice H. Bensley, Colonel George Kreuger, Lieutenant Colonel Robert H. Willis, Captain Dale Coburn, and First Lieutenant Shirley Bolton; at Fort McClellan by Captain Cheryl Crawford and Second Lieutenant Winifred Petterson; at Walter Reed Medical Center by Major Rose Weddell; and at Fort Jackson by Lieutenant Colonel Robert D. Martin and Mr. Gordon Wingard. The authors wish to express once again their thanks to these men and women.

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ANTHROPOMETRY OF WOMEN OF THE U. S. ARMY--1977
REPORT NO. 2 - THE BASIC UNIVARIATE STATISTICS

INTRODUCTION

An anthropometric survey of women wearing the uniform of the U. S. Army--the first such survey since 1946--was carried out during the winter of 1976-1977.

This report is the second of a series dealing with the conduct and results of this survey. The preceding report (Laubach, L.I., J.T. McConville, E. Churchill and R.M. White. Anthropometry of Women of the U.S. Army--1977, Report No. 1 - Methodology and Survey Plan. Technical Report NATICK/TR-77/021, U.S. Army Natick Research and Development Command, Natick, Massachusetts, 1977) describes the methodology of the survey and the measuring techniques used in the survey. This report presents the basic statistical results for the entire survey sample and its four subsamples. The subsequent reports will include additional statistical material providing contrasts between major subgroups of the sample, statistics for a number of computed variables, and bivariate and multivariate statistics.

Chapter I describes the survey and the sample; Chapter II outlines the computational procedures used with the survey data and defines the statistics which are reported in this report. Chapter III provides descriptive statistics for the 69 core measurements made on the entire survey sample. Each set of statistics is accompanied by a brief definition of the measurement and a line drawing illustrating it. The next four chapters include similar material for the four sub-series of measurements: a series of traditional anthropometric measures similar to the core series; a series of workspace measurements; a series of head and face measurements; and finally, a series of static muscle strength measurements.

Frequency distributions for all variables are given in Appendix A and XVAL (eXtreme VALue) printouts in Appendix B. Appendix C contains coding for the background variables (e.g., race, rank, birthplace, etc.). The report ends with an index of measurements by name, anatomical location, and anthropometric technique.

Chapter I

THE SURVEY AND THE SAMPLE

The design and conduct of the 1976-1977 survey of women wearing the uniform of the U. S. Army have been described and detailed descriptions of the measuring techniques have been provided by L.L. Laubach, J.T. McCorville, E. Churchill, and R.M. White in the first report on this survey (Anthropometry of Women of the U.S. Army--1977, Report No. 1 - Methodology and Survey Plan. Technical Report NATICK/TR-77-021, U.S. Army Natick Research and Development Command, Natick, Massachusetts, 1977). The measurements made were divided into five groups: a basic set of 69 measurements, designated as the core series, which were measured on each subject and four subseries of measurements. Most subjects were measured in one of the following subseries: (a) 28 additional traditional anthropometric measurements; (b) 14 workspace measurements; (c) 31 head and face measurements (in addition to three head and face measurements in the core series); and (d) duplicate measurements of static strength measured with the subjects in nine different situations.

A full list of the measurements is given in Table 1 where we have listed the full name of each measurement and a companion "short" name (up to 18 characters). The short name will be used in many computer-generated tables and appears on the magnetic tape record of the survey data. The variable numbers indicate the sequence in which they appear within the five separate series of measurements. Here the letter "C" denotes a core measurement, "T" a measurement in the traditional anthropometry subseries, "W" a workspace measurement, "H" a head-face measurement, and "S" a static strength measurement. The sequences in which the data for each variable are presented were selected to provide a logical ordering of the measurements, putting the height measurements together, the circumferences together, and so forth. The order of the variables on the measuring blanks (see Figures 1 through 5) on the other hand, was selected to provide an efficient sequence for the measuring process; the desire to keep the number of changes in the subject's position as small as possible, for example, often required the reparation in the measurement sequence of measurements which logically belonged together.

One further listing of the measurement names and sequence numbers is given at the end of this report in the "Index by Name, Anatomical Location and Anthropometric Technique." As the name of this index suggests, each measurement appears in this index several times. Tibial height, for example, will be listed by itself, under the heading KNEE along with other measurements made at or to the knee area, and under

TABLE 1
LIST OF MEASUREMENT NAMES AND SEQUENCE NUMBERS

	SHORT NAME	LONG NAME
17T	ABCM EXT BRCH/SIT	ABDOMINAL EXTENSION BREATH, SITTING
14T	ABCM EXT DEPTH/SIT	ABDOMINAL EXTENSION DEPTH, SITTING
9T	ACRCPION-RADIALE L	ACROMION-RADIALE LENGTH
40C	ANKLE CIRCUMFERENCE	ANKLE CIRCUMFERENCE
68C	ANKLE HEIGHT	ANKLE HEIGHT
32C	ARM SCYE CIRCUMFER	ARM SCYE CIRCUMFERENCE
22T	AXILLARY ARM CIRC	AXILLARY ARM CIRCUMFERENCE
4C	AXILLA HEIGHT	AXILLA HEIGHT
50C	AXILLA TO WAIST	AXILLA TO WAIST
44C	BACK CURV'URE-BUST	BACK CURVATURE-BUST
46C	BACK CURVATURE-HIP	BACK CURVATURE-HIP
45C	BACK CURV'URE-WAIST	BACK CURVATURE-WAIST
13W	BENT KNEE HEIGHT	BENT KNEE HEIGHT, SUPINE
10W	BENT TORSO BREADTH	BENT TORSO BREADTH
5W	BENT TORSO HEIGHT	BENT TORSO HEIGHT
16T	BIACROMIAL BREADTH	BIACROMIAL BREADTH
33C	BICEPS CIRC, FLEXED	BICEPS CIRCUMFERENCE, FLEXED
23T	BICEPS CIRC, RELAXED	BICEPS CIRCUMFERENCE, RELAXED
27T	BICEPS SKINFOLD	BICEPS SKINFOLD
27W	BICOLLAR BREADTH	BICOLLAR BREADTH
15T	BISPIGIOUS BREADTH	BISPIGIOUS BREADTH
2H	BIT'CN-CORONAL ARC	BITRAGION-CORONAL ARC
3H	BIT'CN-FRONTAL ARC	BITRAGION-FRONTAL ARC
4H	BIT'CN-PENTON ARC	BITRAGION-MENTON ARC
5H	BIT-SUBMANDIBULAR ARC	BITRAGION-SUBMANDIBULAR ARC
14H	BITRAGION BREADTH	BITRAGION BREADTH
5C	BUSTPOINT HEIGHT	BUSTPOINT HEIGHT
27C	BUST CIRCUMFERENCE	BUST CIRCUMFERENCE
18C	BUST DEPTH	BUST DEPTH
17C	BUTTOCK-KNEE LENGTH	BUTTOCK-KNEE LENGTH
8C	BUTTOCK HEIGHT	BUTTOCK HEIGHT
39C	CALF CIRCUMFERENCE	CALF CIRCUMFERENCE
10C	CALF HEIGHT	CALF HEIGHT
1T	CERVICAL HEIGHT	CERVICAL HEIGHT
20C	CHEST BREADTH	CHEST BREADTH
26C	CHEST CIRC AT SCYE	CHEST CIRCUMFERENCE AT SCYE
28C	CHEST C BELOW BUST	CHEST CIRCUMFERENCE BELOW BUST
24H	CINATION-MENTON	CINATION-MENTON
7C	CROTCH HEIGHT	CROTCH HEIGHT
52C	CROTCH LENGTH	CROTCH LENGTH
16H	ECTOCANTHUS-VERTEX	ECTOCANTHUS TO VERTEX
12H	ECTOCANTHUS-WALL	ECTOCANTHUS TO WALL
14C	ELBOW-FINGERTIP LH	ELBOW-FINGERTIP LENGTH
11T	ELBOW-GRIP LENGTH	ELBOW-GRIP LENGTH
34C	ELBOW CIRC, FLEXED	ELBOW CIRCUMFERENCE, FLEXED

VARIALE NUMBER BY SUBSERIES
(C=CORE, T=TRADITIONAL, W=WORKSPACE, H=HEAD & FACE, S=STRENGTH)

TABLE 1
LIST OF MEASUREMENT NAMES AND SEQUENCE NUMBERS

	SHORT NAME	LONG NAME
12T	ELECN REST HEIGHT	ELBCN REST HEIGHT
4T	ELBCN (RADIALE) HT	ELBCN (RADIALE) HEIGHT
12C	EYE HEIGHT/SITTING	EYE HEIGHT, SITTING
26H	FACE B/BIZYGOMATIC	FACE BREADTH (BIZYGOMATIC)
23H	FACE LENGTH	FACE LENGTH (SELICN-MENTON)
64C	FCCT BREADTH	FOOT BREADTH
66C	FCCT CIRCUMFERENCE	FOOT CIRCUMFERENCE
62C	FCCT LENGTH	FOOT LENGTH
35C	FCREARM CIR, FLEXED	FOREARM CIRCUMFERENCE, FLEXED
24T	FCREARM CIR, RELAX	FOREARM CIRCUMFERENCE, RELAXED
5H	FUNCTIONAL LEG LN	FUNCTIONAL LEG LENGTH
3H	FUNCTIONAL RCH/EXT	FUNCTIONAL REACH EXTENDED
2H	FUNCTIONAL REACH	FUNCTIONAL REACH
17H	GLABELLA TO VERTEX	GLABELLA TO VERTEX
6H	GLABELLA TO WALL	GLABELLA TO WALL
7T	GLUTEAL FURROW HGT	GLUTEAL FURROW HEIGHT
58C	HAND BREADTH	HAND BREADTH
59C	HAND CIRCUMFERENCE	HAND CIRCUMFERENCE
68C	HAND LENGTH	HAND LENGTH
55C	HEAD BREADTH	HEAD BREADTH
54C	HEAD CIRCUMFERENCE	HEAD CIRCUMFERENCE
15H	HEAD HT/TRAGION-VRTX	HEAD HEIGHT (TRAGION-VERTEX)
56C	HEAD LENGTH	HEAD LENGTH
63C	HEEL-ANKLE CIRCUMF	HEEL-ANKLE CIRCUMFERENCE
65C	HEEL BREADTH	HEEL BREADTH
22C	HIP BREADTH	HIP BREADTH
30C	HIP CIRCUMFERENCE	HIP CIRCUMFERENCE
20T	HIP CIRCUMFERENCE/SIT	HIP CIRCUMFERENCE, SITTING
6T	HIP (TROCHANTERIC) HGT	HIP (TROCHANTERIC) HEIGHT
14H	HORIZ L/KNEES BENT	HORIZONTAL LENGTH, KNEES BENT
67C	INSTEP CIRCUMFERENCE	INSTEP CIRCUMFERENCE
61C	INSTEP LENGTH	INSTEP LENGTH
25H	INTERPUPILLARY DIS	INTERPUPILLARY DISTANCE
42C	INTERSCYE, BACK	INTERSCYE, BACK
43C	INTERSCYE, FRONT	INTERSCYE, FRONT
9C	KNEECAP HEIGHT	KNEECAP HEIGHT
11H	KNEELING HEIGHT	KNEELING HEIGHT
12H	KNEELING LEG LENGTH	KNEELING LEG LENGTH
38C	KNEE CIRCUMFERENCE	KNEE CIRCUMFERENCE
15C	KNEE HEIGHT/SIT	KNEE HEIGHT, SITTING
9T	KNUCKLE HEIGHT	KNUCKLE HEIGHT
10H	LIP PROTRUSION-A-WALL	LIP PROTRUSION TO WALL
22H	MENTON TO VERTEX	MENTON TO VERTEX
11H	MENTON TO WALL	MENTON TO WALL
25H	MINIMUM FRONTAL PR	MINIMUM FRONTAL BREADTH

VARIABLE NUMBER BY SUBSERIES
(C=CORE, T=TRADITIONAL, W=WORKSPACE, H=HEAD & FACE, S=STRENGTH)

TABLE 1
LIST OF MEASUREMENT NAMES AND SEQUENCE NUMBERS

	SHORT NAME	LONG NAME
31H	MCLTH PRTH/SMILING	POUTH BREAETH, SMILING
24C	NECK CIRCUMFERENCE	NECK CIRCUMFERENCE
49C	NECK TO BUSTPCINT	NECK TO BUSTPOINT
30H	NCSE BREAOTH	NOSE BREAOTH
29H	NCSE LENGTH	NOSE LENGTH (SELICN-SLENASALE)
9H	OVERHEAD RCH BROTH	OVERHEAD REACH BREAOTH
1H	OVERHEAD REACH HGT	OVERHEAD REACH HEIGHT
4H	OVERHEAD REACH/SIT	OVERHEAD REACH, SITTING
57C	FALP LENGTH	FALP LENGTH
16C	FOPLITEAL HEIGHT	FOPLITEAL HEIGHT
19H	FRONASALE TO VERTX	FRONASALE TO VERTEX
8H	FRONASALE TO WALL	FRONASALE TO WALL
10T	RADIALE-STYLION LH	RADIALE-STYLION LENGTH
1H	SAGITTAL ARC	SAGITTAL ARC
18H	SELICN TO VERTEX	SELLION TO VERTEX
7H	SELICN TO WALL	SELLION TO WALL
13C	SHCLLEF-ELBCH LTH	SHOULDER-ELBCH LENGTH
23C	SHCLLEF BREAETH	SHOULDER (BILCLOID) BREAETH
25C	SHCLLEF CIRCUMFER	SHOULDER CIRCUMFERENCE
41C	SHCLLEF LENGTH	SHOULDER LENGTH
3C	SHCLLEF HEIGHT	SHOULDER (ACROMIALE) HEIGHT
11C	SITTING HEIGHT	SITTING HEIGHT
51C	SLEEVE INSEAP LGTH	SLEEVE INSEAP LENGTH
52C	SLEEVE CUTSEAP LTH	SLEEVE CUTSEAP LENGTH
69C	SPHYRION HEIGHT	SPHYRION HEIGHT
7H	STATURE (CLOTHED)	STATURE (CLOTHED)
2C	STATURE	STATURE
21H	STCPION TO VERTX	STCPION TO VERTEX
17S	STNGTH/1H 100CM M1	STRENGTH-ONE HANDED-DOMINANT SIDE-100CM-MEAN 1
18S	STNGTH/1H 100CM M2	STRENGTH-ONE HANDED-DOMINANT SIDE-100CM-MEAN 2
19S	STAGTH/1H 100CM F1	STRENGTH-ONE HANDED-DOMINANT SIDE-100CM-PEAK 1
23S	STAGTH/1H 100CM F2	STRENGTH-ONE HANDED-DOMINANT SIDE-100CM-PEAK 2
25S	STAGTH/1H 45CM F1 S	STRENGTH-ONE HANDED-SEATED-AT SIDE-45CM-MEAN 1
26S	STAGTH/1H 45CM F2 S	STRENGTH-ONE HANDED-SEATED-AT SIDE-45CM-MEAN 2
27S	STAGTH/1H 45CM F1 S	STRENGTH-ONE HANDED-SEATED-AT SIDE-45CM-PEAK 1
28S	STAGTH/1H 45CM F2 S	STRENGTH-ONE HANDED-SEATED-AT SIDE-45CM-PEAK 2
21S	STAGTH/1H 45CM F1 C	STRENGTH-ONE HANDED-SEATED-CENTERLINE-45CM-MEAN 1
22S	STAGTH/1H 45CM F2 C	STRENGTH-ONE HANDED-SEATED-CENTERLINE-45CM-MEAN 2
23S	STAGTH/1H 45CM F1 C	STRENGTH-ONE HANDED-SEATED-CENTERLINE-45CM-PEAK 1
24S	STAGTH/1H 45CM F2 C	STRENGTH-ONE HANDED-SEATED-CENTERLINE-45CM-PEAK 2
29S	STAGTH/2H 30CM F1	STRENGTH-TWO HANDED FULL-SEATED-30CM-MEAN 1
30S	STAGTH/2H 30CM F2	STRENGTH-TWO HANDED FULL-SEATED-30CM-MEAN 2
31S	STAGTH/2H 30CM F1	STRENGTH-TWO HANDED FULL-SEATED-30CM-PEAK 1
32S	STAGTH/2H 30CM F2	STRENGTH-TWO HANDED FULL-SEATED-30CM-PEAK 2
33S	STAGTH/2H 50CM F1	STRENGTH-TWO HANDED FULL-SEATED-50CM-MEAN 1

VARIABLE NUMBER BY SUBSERIES
(C=CORE, T=TRACIIONAL, W=WORKSPACE, H=HEAD & FACE, S=STRENGTH)

TABLE 1
LIST OF MEASUREMENT NAMES AND SEQUENCE NUMBERS

	SHORT NAME	LONG NAME	
34S	STRAIGHT/2H 50CM F2	STRENGTH-TWO HANDED PULL-SEATED-50CM-MEAN	2
35S	STRAIGHT/2H 50CM F1	STRENGTH-TWO HANDED PULL-SEATED-50CM-PEAK	1
36S	STRAIGHT/2H 50CM F2	STRENGTH-TWO HANDED PULL-SEATED-50CM-PEAK	2
1S	STRAIGHT/2H 30CM F1	STRENGTH-TWO HANDED PULL-30 CM LEVEL-MEAN	1
2S	STRAIGHT/2H 30CM F2	STRENGTH-TWO HANDED PULL-30 CM LEVEL-MEAN	2
3S	STRAIGHT/2H 30CM F1	STRENGTH-TWO HANDED PULL-30 CM LEVEL-PEAK	1
4S	STRAIGHT/2H 30CM F2	STRENGTH-TWO HANDED PULL-30 CM LEVEL-PEAK	2
5S	STRAIGHT/2H 50CM F1	STRENGTH-TWO HANDED PULL-50 CM LEVEL-MEAN	1
6S	STRAIGHT/2H 50CM F2	STRENGTH-TWO HANDED PULL-50 CM LEVEL-MEAN	2
7S	STRAIGHT/2H 50CM F1	STRENGTH-TWO HANDED PULL-50 CM LEVEL-PEAK	1
8S	STRAIGHT/2H 50CM F2	STRENGTH-TWO HANDED PULL-50 CM LEVEL-PEAK	2
9S	STRAIGHT/2H 100CM M1	STRENGTH-TWO HANDED PULL-100 CM LEVEL-MEAN	1
10S	STRAIGHT/2H 100CM F2	STRENGTH-TWO HANDED PULL-100 CM LEVEL-MEAN	2
11S	STRAIGHT/2H 100CM F1	STRENGTH-TWO HANDED PULL-100 CM LEVEL-PEAK	1
12S	STRAIGHT/2H 100CM F2	STRENGTH-TWO HANDED PULL-100 CM LEVEL-PEAK	2
13S	STRAIGHT/2H 150CM F1	STRENGTH-TWO HANDED PUSH-150 CM LEVEL-MEAN	1
14S	STRAIGHT/2H 150CM M2	STRENGTH-TWO HANDED PUSH-150 CM LEVEL-MEAN	2
15S	STRAIGHT/2H 150CM F1	STRENGTH-TWO HANDED PUSH-150 CM LEVEL-PEAK	1
16S	STRAIGHT/2H 150CM F2	STRENGTH-TWO HANDED PUSH-150 CM LEVEL-PEAK	2
20M	SLERNASALE TO VERTX	SUBNASALE TO VERTEX	
9M	SLERNASALE TO WALL	SUBNASALE TO WALL	
25T	SLERSCAPULAR SKINFOLD	SUBSCAPULAR SKINFOLD	
3T	SLERSTERNALE HEIGHT	SUBSTERNALE HEIGHT	
28T	SLFFRAILLIAC SKINFOLD	SUPRAILLIAC SKINFOLD	
2T	SLFFASTERNALE HGT	SUPRATERNALE HEIGHT	
14T	THIGH-THIGH BR/SIT	THIGH-TO-THIGH BREADTH, SITTING	
13T	THIGH CLEARANCE	THIGH CLEARANCE	
8T	TIBIALE HEIGHT	TIBIALE HEIGHT	
13M	TRACICA TO WALL	TRACION TO WALL	
26T	TRICFES SKINFOLD	TRICEPS SKINFOLD	
37C	UPPER THIGH CIRCUMF	UPPER THIGH CIRCUMFERENCE	
31C	VERTICAL TRUNK CIR	VERTICAL TRUNK CIRCUMFERENCE	
21T	VERT TRUNK CIR/SIT	VERTICAL TRUNK CIRCUMFERENCE, SITTING	
47C	WAIST BACK LENGTH	WAIST BACK LENGTH	
21C	WAIST BREADTH	WAIST BREADTH	
29C	WAIST CIRCUMFERENCE	WAIST CIRCUMFERENCE	
19T	WAIST C, CIRCUMFERENCE	WAIST CIRCUMFERENCE, OFF-MIDLINE	
19C	WAIST DEPTH	WAIST DEPTH	
48C	WAIST FRONT LENGTH	WAIST FRONT LENGTH	
6C	WAIST HEIGHT	WAIST HEIGHT	
6M	WEIGHT (CLCTED)	WEIGHT (CLCTED)	
1C	WEIGHT	WEIGHT	
36C	WAIST CIRCUMFERENCE	WAIST CIRCUMFERENCE	

VARIABLE NUMBER BY SUBSERIES
(C=CORE, T=TRACIICAL, M=HEAD & FACE, S=STRENGTH)

WOMEN'S ARMY CORPS ANTHROPOMETRIC SURVEY BLANK - 1976/1977

(Please print all requested information)

Subject No. _____

Name _____ Date _____
 (Last) (First) (Middle)

Rank _____ Location _____

Social Security No. _____ MOS: Primary _____ Secondary _____

Length of Service _____ What is your primary duty, nurse,
 (years) (months) cook, typist, etc. _____

Age at Last Birthday _____ Command _____

Birthdate _____ Handedness: R L A
 (year) (month) (day) (circle appropriate symbol)

Place of Birth _____ Estimated Nude Height _____ (inches)
 State (country if other than USA) Estimated Nude Weight _____ (pounds)

GROUP I

(Standing)					
1. Stature					
2. Acromiale Height					
3. Axilla Ht					
4. Bustpoint Ht					
5. Waist Height					
6. Crotch Ht					
7. Buttock Ht					
8. Chest Breadth					
9. Waist Breadth					
10. Hip Breadth					
11. Bust Depth					
12. Waist Depth					
34. Heel-Ankle Circ					
35. Instep Circ					
36. Foot Circ					
37. Heel Breadth					
38. Knee Height					
39. Calc Height					
40. Ankle Height					
41. Sphyrion Ht					
42. Foot Length					
43. Instep Length					
44. Foot Breadth					

GROUP III

(Seated on Table)					
13. Sitting Ht					
14. Eye Height					
15. Knee Height					
16. Popliteal Ht					
17. Shoulder-Elbow Lgth					
18. Elbow-Fingertip Lgth					
19. Bideltoid Breadth					
20. Buttock-Knee Length					
45. Weight					
46. Arm Circ at Scye					
47. Biceps Circ, Flexed					
48. Elbow Circ, Flexed					
49. Forearm Circ, Flexed					
50. Wrist Circumference					
51. Shoulder Length					
52. Neck to Bustpoint					
53. Sleeve Inseam					
54. Sleeve Outseam					
55. Axilla to Waist Level					
56. Shoulder Circ					
57. Chest Circ at Scye					
58. Bust Circ					
59. Chest Circ Below Bust					
60. Waist Circumference					
61. Interscye Front					
62. Waist Front					
63. Interscye Back					
64. Waist Back					
65. Back Curvature, Fast Level					
66. Back Curvature, Waist Level					
67. Back Curvature, Hip Level					
68. Vertical Trunk Circ					
69. Crotch Length					

GROUP II

(Seated on Chair)					
21. Head Circumference					
22. Neck Circumference					
23. Head Length					
24. Head Breadth					
25. Hand Circumference					
26. Hand Breadth					
27. Hand Length					
28. Palm Length					
(Standing on Table)					
29. Hip Circumference					
30. Upper Thigh Circ					
31. Knee Circ					
32. Calc Circ					
33. Ankle Circ					

Figure 1. The survey blank: the core measurements.

WOMEN'S ARMY CORPS ANTHROPOMETRIC SURVEY BLANK - 1976/1977

(Please print all requested information)

Subject No. _____ Social Security No. _____
 Name _____ Location _____
 (Last) (First) (Middle)

Sub-Series #1

Traditional Anthropometry

GROUP I

- (Standing)
1. Cervicale Height _____
 2. Suprasternale Ht _____
 3. Substernale Ht _____
 4. Elbow Height _____
 5. Acromion-Radiale Length _____
 6. Radiale-Styilion Length _____
- (Seated on Table)
7. Elbow to Center of Grip _____
 8. Elbow Rest Height _____
 9. Thigh Clearance Ht _____
 10. Biacromial Breadth _____

GROUP II

- (Seated on Table)
11. Abdominal-Extension Depth _____
 12. Abdominal-Extension Breadth _____
 13. Thigh-to-Thigh Breadth _____
- (Standing on Table)
14. Bispinous Breadth _____
 15. Knuckle Height _____
 16. Gluteal Furrow Ht _____
 17. Trochanteric Ht _____
 18. Tibiale Ht _____

GROUP III

19. Axillary Arm Circ _____
20. Biceps Circ, Relaxed _____
21. Forearm Circ, Relaxed _____
22. Waist Circ (Omphalion) _____
23. Vertical Trunk Circ (Seated) _____
24. Hip Circ (Seated) _____
25. SKF: Triceps _____
26. SKF: Biceps _____
27. SKF: Subscapular _____
28. SKF: Suprailiac _____

Figure 2. The survey blank: traditional anthropometry subseries.

WOMEN'S ARMY CORPS ANTHROPOMETRIC SURVEY BLANK - 1976/1977

(Please print all requested information)

Subject No. _____ Social Security No. _____

Name _____ Location _____

(Last) (First) (Middle)

Shoes _____

Boots _____

Sub-Series #2

Anthropometry of Working Positions

1. Weight				
2. Stature				
3. Functional Reach				
4. Functional Reach, Extended				
5. Overhead Reach Height				
6. Overhead Reach Breadth				
7. Bent Torso Height				
8. Bent Torso Breadth				
9. Overhead Reach, Sitting				
10. Functional Leg Length				
11. Kneeling Height				
12. Kneeling Leg Length				
13. Bent Knee Height, Supine				
14. Horizontal Length, Knees Bent				
15. _____				
16. _____				
17. _____				
18. _____				

Figure 3. The survey blank: workspace subseries.

WOMEN'S ARMY CORPS ANTHROPOMETRIC SURVEY BLANK - 1976/1977

(Please print all requested information)

Subject No. _____

Social Security No. _____

Name _____
(Last) (First) (Middle)

Location _____

Sub-Series #3

Head and Face

(Headboard)

1. Menton to Wall			
2. Stomion to Wall			
3. Subnasale to Wall			
4. Pronasale to Wall			
5. Sellion to Wall			
6. Glabella to Wall			
7. Ectocanthus to Wall			
8. Tragion to Wall			
9. Menton to Vertex			
10. Stomion to Vertex			
11. Subnasale to Vertex			
12. Pronasale to Vertex			
13. Sellion to Vertex			
14. Glabella to Vertex			
15. Ectocanthus to Vertex			
16. Tragion to Vertex			

17. Crinion-Menton			
18. Sellion-Menton			
19. Sellion-Subnasale			
20. Biocular Breadth			
21. Interpupillary Distance			
22. Mouth Breadth, Smiling			
23. Nose Breadth			
24. Face Breadth			
25. Bitragion Breadth			
26. Minimum-Frontal Br			
27. Sagittal Arc			
28. Bitragion-Coronal Arc			
29. Bitragion-Frontal Arc			
30. Bitragion-Menton Arc			
31. Bitragion-Submandibular Arc			

Figure 4. The survey blank: head and face subseries.

WOMEN'S ARMY CORPS ANTHROPOMETRIC SURVEY BLANK - 1976/1977

(Please print all requested information)

Subject No. _____ Social Security No. _____
 Name _____ Location _____
 (Last) (First) (Middle)
 Skirt _____ Slacks _____
 Handedness R L A
 (circle appropriate symbol)

Sub-Series #4

Static Muscle Strength (lbs of force)

		T_1	T_2																
1. Standing Two-Handed Lift	Average	<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>									<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>								
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(Bent Knee)																			
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Long Handle																			
(Straight Knee)																			
3. Standing Two-Handed Lift	Average	<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>									<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>								
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"D" Ring																			
6. Seated One-Handed Pull	Average	<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>									<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>								
Centerline of Seat	Peak	<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>									<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>								
45 cm Above Floor																			
"D" Ring																			

Figure 5a. The survey blank: static muscle strength subseries.

		T ₁	T ₂																
7. Seated One-Handed Pull Side of Seat (Dominant Hand) 45 cm Above Floor "D" Ring	Average	<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>									<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>								
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8. Seated Two-Handed Pull Centerline of Seat 38 cm Above Floor Short Handle	Average	<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>									<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>								
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9. Seated Two-Handed Pull Centerline of Seat 50 cm Above Floor Short Handle	Average	<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>									<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>								
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Figure 5b. The survey blank: static muscle strength subseries.

the heading HEIGHTS along with all other measurements of this type. Where an anatomical location is designated in this index by its technical name, the common name is often cross referenced and vice versa. Specific points are also often cross referenced to larger areas of which they are a part as, for example, *menton* and *chin*. It is hoped that this index will facilitate the location of measurements whose names are not known exactly and will simplify the determination of whether a specific measurement was or was not made.

Over 1,300 women were measured during the course of this survey. The number of subjects measured at each of the four sites in the core series and each of the subseries appears in Table 2. No workspace measurements were made at Fort Sam Houston because of problems of space and no head and face measurements at Walter Reed Medical Center due to the lack of a suitable place for mounting the headboard. No traditional anthropometry subseries measurements were made at Fort Jackson since the subsample of 255 previously measured was deemed adequate.

The socio-military data provided by the survey subjects are summarized in Tables 3 through 10.

Of this sample 344 or about 26% were officers and 987 or about 74% were enlisted women. About two-thirds of the officers were first lieutenants or captains. Nearly half the enlisted women were E-1's and about four-fifths of them were in the three lowest ranks. The distribution by age is shown in Table 4. About 30% of the sample was under 20 years of age, the median age was about 22.5, and the 90th percentile was close to 30 years. Distribution of the sample by race appears in Table 5: 75.2% of the sample were Whites, 22.9% were Blacks, and 1.9% were Orientals. Information on race was not asked of the subjects but was inconspicuously noted on the measurement blank by one of the recorders on the basis of each subject's appearance. No attempt was made to identify Chicanos separately from the Whites.

The distribution of the sample by military occupation is given in Table 6. Subjects were asked to specify their primary and secondary MOS's and to respond to the question, "What is your primary duty?" Responses were sometimes vague, ambiguous, or incomplete. Coding of the military occupations was done on the basis of all the relevant information supplied by the subject. While undoubtedly there are errors in our coding, the distribution appearing in Table 6 in all likelihood presents a reasonably accurate picture of the occupations which the women held or for which they were in training.

As this distribution shows, almost exactly two-thirds of the officer sample were nurses, 20% were student officers, and the remainder were dietitians, company commanders and training officers, therapists, military police, and so forth.

TABLE 2
NUMBER OF SUBJECTS AT EACH SITE

	Measurement Categories				
	<u>Core</u>	<u>Trad. Anthro</u>	<u>Work- space</u>	<u>Head & Face</u>	<u>Static Strength</u>
Fort Sam Houston	261	73	--	72	119
Fort McClellan	506	94	234	107	156
Walter Reed Med. Center	298	88	32	--	32
Fort Jackson	<u>266</u>	<u>--</u>	<u>34</u>	<u>37</u>	<u>42</u>
TOTAL	1331	255	360	216	349

TABLE 3
DISTRIBUTION OF SAMPLE BY RANK

<u>Officers</u>	<u>N</u>
Colonel (O-6)	4
Lt. Colonel (O-5)	21
Major (O-4)	11
Captain (O-3)	90
1st Lieutenant (O-2)	134
2nd Lieutenant (O-1)	<u>84</u>
	344

<u>Enlisted</u>	
E-7	6
E-6	17
E-5	78
E-4	98
E-3	156
E-2	191
E-1	<u>431</u>
	987

TOTAL 1,331

TABLE 4

DISTRIBUTION OF SAMPLE BY AGE

<u>Age</u>	<u>Total</u>		<u>Cumulative</u>	
	<u>N</u>	<u>Z</u>	<u>N</u>	<u>Z</u>
50-50	3	0.2	1331	100.0
45-50	12	0.9	1328	99.6
40-45	13	1.0	1316	98.9
35-40	26	2.0	1303	97.9
30-35	74	5.6	1277	95.9
28-30	67	5.0	1203	90.4
26-28	104	7.8	1136	85.3
24-26	188	14.1	1032	77.5
23-24	103	7.7	844	63.4
22-23	138	10.4	741	55.7
21-22	102	7.7	603	45.3
20-21	108	8.1	501	37.6
19-20	156	11.7	393	29.5
18-19	219	16.5	237	17.8
17-18	<u>18</u>	<u>1.4</u>	18	1.4
Total	1331	100.1		

Mean Age: 23.1

Standard Deviation: 5.4

Percentiles

99th	45.7
95th	33.6
90th	29.3
75th	25.1
50th	22.0
25th	19.1
10th	18.0
5th	17.7
1st	17.2

TABLE 5
DISTRIBUTION OF SAMPLE BY RACE

	Officers		Enlisted		Total	
	<u>N</u>	<u>%*</u>	<u>N</u>	<u>%*</u>	<u>N</u>	<u>%*</u>
Whites	302	89.1	687	70.3	989	75.2
Blacks	29	8.6	273	27.9	302	22.9
Oriental	8	2.4	17	1.7	25	1.9
Not Identified	<u>5</u>		<u>10</u>		<u>15</u>	
TOTAL	344	100.1	987	99.9	1331	100.0

*Percents of those identified.

TABLE 6

DISTRIBUTION OF SAMPLE BY MILITARY OCCUPATION

a. <u>Officers</u>	<u>N</u>
Nurses	228
Student Officers	67
Dietitians	22
Company Commanders and	
Training Officers	7
Therapists	5
Military Police	4
Miscellaneous	<u>11</u>
	344
b. <u>Enlisted Women</u>	
Typists	209
Clerks, personnel	
record clerks	61
Supply clerks	44
Finance clerks	17
Medical laboratory	
technicians	105
Medical assistants, nurses'	
aides, etc.	101
X-ray technicians	13
Dental specialists	24
Pharmacy technicians	7
Medical records specialists	12
Occupational specialists	9
Operating room technicians	26
Miscellaneous health	
specialists	26
Military police	67
Chaplains' assistants,	
para-legal aides, etc.	17
Cooks	38
Food inspectors	10
Drill sergeants	31

TABLE 6 (continued)

b. <u>Enlisted Women</u> (cont'd)	<u>N</u>
Communication specialists	25
Intelligence analysts	23
Cryptologists	6
Data processors	2
Truck drivers	23
Transportation coordinators	10
Photographers	3
Musicians	3
Telephone installers, repairers, operators	9
Ammunition, weapons specialists	6
Electronics	9
Mechanics, welders, carpenters, etc.	18
Not given	<u>33</u>
	987
GRAND TOTAL	1,331

TABLE 7
DISTRIBUTION OF SAMPLE BY LENGTH OF SERVICE

<u>Length of Service</u>	<u>N</u>
20-25 years	13
15-20 years	19
10-15 years	20
9-10 years	5
8-9 years	12
7-8 years	13
6-7 years	31
5-6 years	37
4-5 years	53
3-4 years	64
2-3 years	109
1-2 years	80
	<u>456</u>
11-12 months	15
10-11 months	5
9-10 months	17
8-9 months	19
7-8 months	17
6-7 months	47
5-6 months	34
4-5 months	84
3-4 months	58
2-3 months	159
1-2 months	173
0-1 months	247
	<u>875</u>
TOTAL	1,331

TABLE 8
DISTRIBUTION OF SAMPLE BY BIRTHPLACE

	<u>N</u>	<u>Z</u>		<u>N</u>	<u>Z</u>
<u>New England</u>	87	6.6	<u>West North Central</u>	118	8.9
Maine	18		Minnesota	24	
New Hampshire	3		Iowa	17	
Vermont	3		Missouri	29	
Massachusetts	44		North Dakota	5	
Rhode Island	4		South Dakota	16	
Connecticut	15		Nebraska	8	
			Kansas	19	
<u>Mid-Atlantic States</u>	205	15.5	<u>West South Central</u>	99	7.4
New York	96		Arkansas	16	
New Jersey	24		Louisiana	20	
Pennsylvania	85		Oklahoma	10	
			Texas	53	
<u>South Atlantic States</u>	249	18.7	<u>Mountain States</u>	40	3.0
Delaware	4		Montana	8	
Maryland	25		Idaho	7	
District of Columbia	15		Wyoming	1	
Virginia	44		Colorado	13	
West Virginia	12		Utah	1	
North Carolina	45		Nevada	2	
South Carolina	19		Arizona	6	
Georgia	37		New Mexico	2	
Florida	48				
<u>East North Central States</u>	230	18.8	<u>Pacific States</u>	114	8.6
Ohio	65		California	82	
Indiana	37		Oregon	9	
Illinois	65		Washington	17	
Michigan	47		Alaska	2	
Wisconsin	36		Hawaii	4	
<u>East South Central States</u>	90	6.8	<u>Foreign</u>	77	5.8
Kentucky	11		The Americas	33	
Tennessee	18		Europe	27	
Mississippi	17		Africa	2	
Alabama	44		Asia	14	
			Oceania	1	
			<u>Not Ascertained</u>	2	

TABLE 9

BIRTHPLACE OF SUBJECTS, CONTRASTED WITH CENSUS DATA
(Native Born Only)

<u>Area</u>	<u>Total</u>	<u>1950 Census</u>	<u>1960 Census</u>
New England	6.9%	6.2%	5.9%
Mid-Atlantic	16.4%	20.0%	19.0%
South Atlantic	19.9%	14.1%	14.5%
East North Central	20.0%	20.2%	20.2%
East South Central	7.2%	7.6%	6.7%
West North Central	9.4%	9.3%	8.6%
West South Central	7.9%	9.6%	9.5%
Mountain	3.2%	3.4%	3.8%
Pacific	<u>9.1%</u>	<u>9.6%</u>	<u>11.8%</u>
Total	100.0%	100.0%	100.0%

TABLE 10

DISTRIBUTION OF SAMPLE BY HANDEDNESS

	<u>N</u>	<u>%</u>
Right Handed	1165	87.5%
Left Handed	112	8.4%
Ambidextrous	48	3.6%
Unascertained	<u>6</u>	<u>0.5%</u>
Total	1331	100.0%

The distribution of the enlisted women falls nicely into three groups of approximately equal sizes: clerical workers (typists and various types of clerks), medical personnel (laboratory technicians, nurses' aides, X-ray, dental, pharmacy, operating room, and medical records specialists or technicians, and so forth), and all others. Of the occupations which make up this third group, only the military police (N=67) constitute a subgroup as large as 5% of the enlisted sample. Cooks (N=38), drill sergeants (N=31), communication specialists (N=25), a miscellaneous group of mechanics, welders, and carpenters (N=18), chaplains' assistants and para-legal aides (N=17), and food inspectors (N=10), make up, in each case, 1% or more of the subsample.

Length of service is summarized in Table 7. While a handful of subjects had been in the Army for over 20 years, about one-third of the subjects had been in for less than two months and two-thirds had been in for less than a year..

Birthplaces are reported in Table 8; in Table 9 we have listed the percentages of the subjects born in each of the standard geographical regions along with the populations of these regions as reported by the Bureau of the Census for 1950 and 1960. Since the median birthdate for our subjects is about halfway between the dates of these censuses, one might expect the sample breakdown to roughly approximate the coverage of these two sets of census figures. In the main, there is a fair agreement, the major differences being an unexpectedly large number of subjects from the south-Atlantic states and a smaller than anticipated number from the mid-Atlantic states. It seems doubtful that these differences would have any meaningful effect on the anthropometric data collected in this survey.

The final table in this group is Table 10 which contains the breakdown by handedness.

Measurements were made at Fort Sam Houston during the period of November 2 through November 16, at Fort McClellan from November 17 through December 3, 1976, at Walter Reed Medical Center from January 8 through January 21, and at Fort Jackson from January 25 through February 11, 1977. No measuring was done between December 3, 1976 and January 8, 1977 because of the anticipated problems in securing subjects during the holiday period. All measurements, except the workspace and strength measurements, were made by Becca Fenton, Jay Frost, Leslie Metcalf, Diann O'Daniel, Becky Sikes, and Elizabeth Wheeler, who had been intensively trained prior to the survey by Drs. Lloyd L. Laubach and John McConville of the Anthropology Research Project with the assistance of Mr. Milton Alexander of the U. S. Air Force Aerospace Medical Research Laboratory. The measurers worked in pairs, alternating

between the roles of measurer and recorder as they saw fit. Each pair was responsible for approximately one-third of the core measurements and one-third of the traditional anthropometry and the head and face subseries. The division of the measurements into the three groups is indicated for the core and traditional anthropometry series on the survey blanks (Figures 1 and 2). The first team made measurements 1-16 of the head and face subseries (those made using the headboard); the second team made the caliper measurements, numbers 17-26; and the third team measured the five arcs, measurements 27-31.

During the first half of the survey the team was directed by Dr. Laubach as field supervisor and Ms. Patricia Reese as team supervisor. Ms. Reese and Dr. Laubach carried out the workspace and strength measurements during this period. For the second half of the program, Ms. Reese carried full responsibility for the direction of the team's activities, and, with the assistance of Ms. Linda Grunwoldt, made all the workspace and most of the strength measurements.

Chapter II

STATISTICAL ANALYSIS AND COMPUTATIONAL PROCEDURES

The statistical and computational procedures used in preparing this report are much the same as those used in the analyses of the data from the 1970 survey of Army aviators and the data from the 1966 survey of Air Force women (Clauser, C. E., P. Tucker, J. T. McConville, E. Churchill, L. L. Laubach and J. Reardon. Anthropometry of Air Force Women. AMRL-TR-70-5, Aerospace Medical Research Laboratory, Wright-Patterson Air Force Base, Ohio, 1972, AD 743 113). Our discussion here will follow closely that included in the Army aviator report (Churchill, E., J.T. McConville, L.L. Laubach and R.M. White. Anthropometry of U. S. Army Aviators--1970. Technical Report 72-52-CE, U. S. Army Natick Laboratories, Natick, Massachusetts, 1971. AD 743 528).

Statistical Analysis

The statistical measures used here to summarize the survey data were chosen as being the univariate statistics which should provide most potential users of the data with the maximum of useful information. They are, in the main, those statistics which have become traditional in anthropometric reports prepared by the U. S. Army and the U. S. Air Force.

Briefly described, the statistics provided for each measurement are the following:

1. The arithmetic mean. This is the most common of the averages and is computed as the sum of the values divided by the number of values. It is usually designated as M , \bar{X} , or μ . Any one of these symbols may be subscripted when several variables are considered simultaneously.
2. The median. A second average, the median, designates the value of the "person-in-the-middle." If all the subjects in this survey had been lined up in order from the shortest to the tallest, the height of the subject in the middle of the line would be the median height. The definition of the median is the same as that of the 50th percentile--half of the data being smaller than the median and half being larger. The value of the median is to be found at the middle of the percentile tables.

The median and the arithmetic mean have approximately the same values for most of the data gathered in this survey; for these data the question of which or one or the other is the better average is hardly important. Even for those variables such as weight and the skin-folds, for which the differences are largest, the differences are not substantial.

3. The standard deviation. The standard deviation is the basic measure of variability. If most of a set of data cluster close to their mean value, the standard deviation is small. If, on the other hand, many of the data are either much smaller or much larger than the mean, the standard deviation will be large. By definition, the standard deviation is the square root of the average (i.e., arithmetic mean) of the squared deviations from the mean value. In formula, the standard deviation equals

$$SD = \sqrt{\sum(x-\bar{x})^2/N}$$

where \sum is the summation operator, x represents the individual values, \bar{x} their arithmetic mean, and N the number of values.

A useful way of conceptualizing the standard deviation is to consider the middle two-thirds of a set of data such as the values of stature. The smallest value in this middle two-thirds will be about one standard deviation below the mean value and the largest value in this set will be roughly equal to the mean value plus one standard deviation. Similarly, the middle 95 percent of the data will have values ranging from approximately two standard deviations below the mean to two standard deviations above it. Almost all of them will fall within the range from three standard deviations below the mean to three standard deviations above it.

The standard deviation is usually designated by SD or σ . Like the symbols for the mean, any one of these symbols may be subscripted when several variables are being considered at the same time.

4. The coefficient of variation. This statistic is a restatement of the standard deviation as a percent of the mean, and it is usually denoted by the letter V . Thus,

$$V = 100 \cdot SD/\bar{x}$$

The relationships which were noted for the standard deviation have equivalent forms in terms of V . Thus, about two-thirds of a set of data will lie between $(100-V)\%$ and $(100+V)\%$ of the mean, about 95 percent will lie between $(100-2V)\%$ and $(100+2V)\%$ of the mean. Rarely will values lie outside of the range from $(100-3V)\%$ to $(100+3V)\%$ of the mean.

For many anthropometric variables, the coefficient of variation varies within a much narrower range than does the standard deviation. The value of V is often associated with the general anatomical nature of the variable involved. Long bone lengths (major heights, hand length, and so forth) tend to have coefficients of variation in the range from 3.5% to 5%, fleshy circumferences have ones which range from 6% to 10%, and those for the skinfolds are mostly in the 30% to 40% range.

5. *The percentiles.* This group of statistics belongs to a class of measures designated as "measures of order or position." These measures can be thought of as being obtained by arranging the data in order from the smallest value to the largest one and then observing the value of the datum which lies at a specified position in the array.

Perhaps the most useful of these order statistics are the percentiles. The 99 percentiles--ranging from the first to the 99th--are the values at the points which separate consecutive blocks or units of 1% of the data in the ordered array. The first percentile is the value which separates the smallest 1% of the data from the 99% of the data with larger values; the second percentile separates the smallest 2% from the larger 98% and so on.

Twenty-five of these percentiles: the 1st, 2nd, 3rd, 5th, 10th, 15th, 20th, 25th, 30th, 35th, 40th, 45th, 50th, 55th, 60th, 65th, 70th, 75th, 80th, 85th, 90th, 95th, 97th, 98th, and 99th were computed for each of the measurements made on the full sample. For the sub-series measurements, the first and last three of the percentiles were omitted because of the small sample size.

The percentiles differ from the other statistics used in this report in that there is rarely a unique value satisfying the exact definition of the percentiles. Any method of computation of the percentiles of necessity requires some compromise with the definition, and the method of computation becomes the de facto definition. The method used here is described in detail several paragraphs later in the report.

6. *Veta I - a measure of symmetry.* The interpretation of the statistic B_1 is based on the fact that in a symmetric distribution every value lying a given distance above the mean will be matched by a value lying an equal distance below the mean, so that the cubes of the deviations from the mean--half negative and half positive--will add to zero. Although the converse of this fact is by no means true--a zero sum of the cubed deviations in no way implies a symmetric distribution--the size of this sum when properly adjusted is often considered a useful indication of whether a set of data is unsymmetrically distributed and, if so, how badly. Such a use seems reasonably justified for the kind of data reported here.

Veta I is computed from the sum of the cubed deviations by dividing it by the sample size and the cube of the standard deviation, producing a dimensionless statistic:

$$B_1 = \frac{\sum (x - \bar{x})^3}{N \cdot SD^3}$$

7. Veta II - a measure of kurtosis. The statistic β_2 is similarly computed from the fourth powers of the deviations:

$$\beta_2 = \frac{\sum (x - \bar{x})^4}{N \cdot SD^4}$$

The interpretation of β_2 is not obvious; its major usefulness, along with β_1 is that its value provides a basis for judging the level of agreement between the normal distribution and the actual distribution of the data.

The normal distribution values for β_1 and β_2 are 0 and 3. In theory, data distributions can deviate from either of these values without deviating from the other. For the data of this study, however, deviant values of either β_1 or β_2 are usually accompanied by deviant values of the other. Most of these deviant values indicate positive skewness ($\beta_1 > 0$) and platykurtosis ($\beta_2 > 3$).

When we have occasion to spell out the symbol ' β ' we have used 'Veta' in accordance with contemporary Greek pronunciation.

8. The standard errors. All statistics computed from a sample of data are subject to the effects of sampling error. When a sample has been selected by a random or other probability sampling process, it is often possible to estimate the magnitude of the sampling error. For many statistics, this estimate takes the form of the standard error of that statistic. The standard error is a standard deviation type statistic and is such that, were a large number of samples of data selected in the same way from the same population, about two-thirds of the samples would have means (or standard deviations or percentiles or whatever) with values which lie within a standard error of the corresponding population statistic, 95% within two standard errors, and so forth. Hence, it is conventional to suppose, when dealing with the statistics computed from a single sample, that the population statistics may well be within a standard error--up or down--of the corresponding sample statistics, and that it is rather likely that they are within two standard errors.

9. The frequency tables. The frequency tables group the data for each variable into a table containing up to fifty intervals. For most of the variables, except those with the smallest ranges the data were grouped in intervals 5 millimeters or 10 millimeters wide, the lower limits of these intervals always having values which end in 2.5 millimeters or 7.5 millimeters in order to minimize the effect of any overuse of the 0's or 5's as final digits.

The tables list, for each interval, the end points of the interval; the number of subjects whose measurement falls within the interval (FRQ); the cumulative frequency (CUMF), that is, the number whose measurement did not exceed the upper end point of the interval, and the values of FRQ and CUMF expressed as percentages of the total number measured (FRQ% and CUMF%).

The frequency tables appear in Appendix A.

10. The range. The range of values for a single variable constitutes a simple but, in general, highly erratic statistic. We have not included the range in the statistical summaries provided in the next several chapters, but the smallest ten and the largest ten values of each variable are listed in the XVAL printouts. The extent to which a single individual in a sample of over a thousand can seriously affect the range is well illustrated in Appendix B. Subject #92, for example, is not only solely responsible for a 58-pound (from 130 to 188 pounds) increase in the range of weights, but has also inflated the range for many of the circumferential measurements. Subject #246 has had a similar, but not so drastic, effect on the ranges of stature and a number of other height measurements.

The means, standard deviations, their standard errors and the percentiles are reported in both metric units (centimeters and kilograms) and in English units (inches and pounds). The frequency tables are given in the units in which the data were recorded.

Computational Procedures

The data obtained in the survey were initially recorded on the survey blanks illustrated in Figures 1-5. The data processing began with the transferring of the data from the survey sheets to punch cards. A total of four cards was used for each subject's data, one card for the background data, and three cards for the measured anthropometric data; single cards were used for each of the subseries. The data were subjected to two separate punchings and the resulting decks compared, column by column, on a computer. A computer printout provided a list by subject and variable number of any discrepancies between the two punchings. This procedure was believed to provide a more rigorous check than that of the more conventional use of a verifier.

The anthropometric data were recorded and punched in millimeter or tenth-of-pound figures. All data, except for the workspace and strength subseries, were punched as three digit values, initial 'fourth digit' values being ignored; these ignored values were reconstructed later as the data were transferred from cards to tape. For variables such as stature which exceeded one meter for all subjects, a value of 1000 was automatically added to each punched value. For

those variables, such as sitting height, which range in value from below 1000 millimeters to above 1900 millimeters, the correction of 1000 was added to the punched value if it was less than 400 and not otherwise. The initial digit for weight was established by reference to the subject's buttock circumference. The relatively small range of values for most of the measurements made it possible to reconstruct this initial digit without ambiguity. Data from the workspace and strength subseries were punched as four digit numbers. The background data were coded using the codes listed in Appendix C.

The punched cards were read into a computer and transferred to magnetic tape. The data analysis was carried out continuously as the records were received. As soon as the first group of records had been punched, the data analysis was begun. Summary statistics for this group were prepared and evaluated in an attempt to determine if unusual difficulties were being encountered by the measuring team. As additional records were punched, the tape record of the survey was updated and the editing process begun.

The editing process consisted of checking the values for each variable for each subject in order to detect any possible errors that might have occurred in the gathering-recording-transcription process. Two separate computer routines have been developed for this purpose. The first termed XVAL (=eXtreme VALue), determines for each variable the values which fall in the lower and upper extremes and which appear inconsistent with the other values for that variable. This program provides for each variable:

1. A list of the ten largest and ten smallest values with the associated subject numbers.
2. The mean, the standard deviations, β_1 and β_2 based on all the data.
3. The mean and the standard deviation estimated from the sample truncated by excluding the ten largest and ten smallest values.

Values which are far out of line with respect to the rest of the values for the variable are thereby identified and printed out for careful screening. The size of the smallest or largest values are often clear indicators of gross errors as are any substantial differences between the two sets of standard deviations. The measures of kurtosis, β_2 , also effectively indicate the presence of values lying outside the 'normal' range.

XVAL printouts for the core measurements and the four subseries are listed in Appendix B (1-5). All values printed out as 'outliers' were investigated and errors corrected. The data were then subjected to the second of the editing routines, termed EDIT.

This routine is designed to evaluate each value in terms of other values recorded for the same individual through the use of a series of regression equations. The computer first calculates regression equations for each variable in a number of specified three-variable combinations in terms of the other two variables in that combination. Once these equations were available they were used to estimate each variable in the combination. The estimates were then compared to the measured values and if the difference exceeded 3.5 times the standard error of estimate, an error message was printed out. The error message consisted of the subject number, the variable name, observed value, estimated value, the difference between these two in standard error units, and a series of other measurements on that subject expressed both in measured units and in standard score form. The choice of combinations used with this program was based on the rule that at least one member of the triplet should be predictable, with fair accuracy, from the other two. A list of some of the combinations used in editing the core measurements appears in Table 11.

In general, when the results of EDIT indicated clearly that a value was in error and there was general agreement from other measurements as to what the correct value was, an appropriate change was made.

Initially the core measurements and the four subseries were edited separately. For the final editing runs on the subseries, some of the core measurements were combined with the subseries data.

The substantial number of dimensions measured on each subject, plus the high level of intercorrelations among the variables, make these approaches effective in evaluating each observation both in terms of all the values recorded for a variable and in terms of the values recorded for each subject. A handful of missing values occurred in the data. Many of these were the result of landmarks being covered with bandages or, in a couple of cases, of wigs which the subject would not remove, thus making the measurement of head circumference inexact. Regression estimates, based on related variables, were occasionally entered in order to provide full data records. Subjects for whom substantial numbers of measurements were missing were removed from the sample.

When the data were fully edited, a number of adjustments, required because of the way the data had been recorded, were made. Crotch and popliteal heights, for example, had been recorded as the height at the bottom of the anthropometer blade; one centimeter, the thickness of the blade, was added to these values. Five millimeters, half the thickness of the blade, was added to elbow-grip length. The thickness of the anthropometer stand was subtracted from functional leg length and the height of the sitting surface from overhead reach, sitting. These adjustments were delayed until this point in the analysis so that the values in the computer files would be, in general, the same as those on the data blanks until the editing was completed.

TABLE 11

SELECTED EDITING COMBINATIONS FOR CORE MEASUREMENTS

a. Mostly Heights, Long Bone Lengths

1. Stature, acromiale height, axilla height
2. Acromiale height, axilla height, bustpoint height
3. Stature, sitting height, crotch height
4. Knee height/sitting, popliteal height, knee height
5. Stature, hand length, foot length
6. Sitting height, eye height/sitting, waist back
7. Hand length, palm length, foot length
8. Foot length, instep length, hand length
9. Calf height, ankle height, sphyrion height
10. Waist front, waist back, vertical trunk circumference

b. Mostly Circumferences

1. Shoulder circumference, chest circumference at scye, bust circumference
2. Bust circumference, chest circumference at scye, chest circumference below bust
3. Bust circumference, waist circumference, hip circumference
4. Upper thigh circumference, knee circumference, calf circumference
5. Heel-ankle circumference, instep circumference, foot circumference
6. Biceps circumference/flexed, elbow circumference/flexed, forearm circumference/flexed
7. Knee circumference, wrist circumference, foot circumference
8. Weight, hip circumference, upper thigh circumference
9. Weight, bust circumference, vertical trunk circumference
10. Shoulder circumference, bideltoid breadth, weight

c. Mostly Breadths, Depths, Surface Measurements

1. Chest breadth, bust depth, bust circumference
2. Waist breadth, waist depth, waist circumference
3. Chest breadth, waist breadth, hip breadth
4. Back curvature/bust, back curvature/waist, back curvature/hip
5. Interscye front, interscye back, shoulder circumference
6. Crotch length, vertical trunk circumference, weight
7. Bideltoid breadth, interscye front, interscye back
8. Waist front, waist back, axilla to waist level
9. Shoulder length, neck circumference, bideltoid breadth
10. Bust depth, waist depth, weight

TABLE 11 (continued)

d. Miscellaneous

1. Head length, head breadth, head circumference
2. Hand length, palm length, hand breadth
3. Foot length, instep length, foot breadth
4. Heel breadth, foot breadth, foot circumference

The summary statistics reported here were calculated using a computer program essentially the same as that listed in Table II of Anthropometry of Army Aviators--1970 (Churchill, E., J. T. McConville, L. L. Laubach and R. M. White. Anthropometry of U. S. Army Aviators--1970. Technical Report 72-52-CE, U. S. Army Natick Laboratories, Natick, Massachusetts, 1971. AD 743 528). This program makes use of four constants for each variable:

- A(I,1) - the bottom of the first interval in the frequency table for the I'th variable,
- A(I,2) - the maximum value attained by the I'th variable,
- A(I,3) - the whole number closest to the mean value of the I'th variable, and
- WID(I) - the desired width of the intervals in the frequency table.

The first of these constants was equal to or slightly less than the minimum value of the I'th variable; as the data were read into the computer they were routinely checked to insure that they fall within the range determined by A(I,1) and A(I,2).

The third constant was subtracted from each datum in order to reduce the size of the summations, particularly those required for the computation of β_1 and β_2 .

The fourth constant was used in constructing the frequency tables and hence in the computation of the percentiles.

These four constants were generated by the FVAL program and were stored, along with the variable names and conversion constants, on the data tape.

The computation of the mean, standard deviation, and the measures of symmetry and kurtosis are straightforward, as is the creation of the frequency tables.

The percentile computations are a bit complicated. They follow a procedure originally developed for use with a North Atlantic Treaty Organization (NATO) sponsored survey of military groups in Turkey, Greece, and Italy in 1960-1961. This procedure has been used with all large Department of Defense anthropometric surveys since then. The essence of the method is that the twenty-five percentiles which are to be listed are estimated using the textbook method; that is, the K-th percentile, $P(K)$, is estimated by locating the first interval in the frequency table in which the cumulative percent frequency equals or exceeds $K\%$:

$$P(K) = LL + \frac{K - CPF(J-1)}{CPF(J) - CPF(J-1)} * WID$$

where LL is the lower limit of this interval, CPF(J) the cumulative percent frequency including this interval, CPF(J-1) the cumulative percent frequency up to but not including this interval, and WID is the interval width.

The twenty-five estimated percentiles are then smoothed by a process designed to simulate plotting them on normal probability graph paper and drawing a smooth line through the set of points. What is actually done is to assign an 'X-value' to each percentile estimate equal to the corresponding deviate of the normal distribution, to fit a fourth degree polynomial to these points, and to read the smoothed values from this polynomial. By using orthogonal polynomials, the computational procedure is fairly simple. Because of the size of the subseries samples, the extreme percentiles may not be particularly accurate; we have, therefore, listed only those from the 5th to the 95th.

Most of the summary statistics were multiplied by 0.1 to convert them from millimeters to centimeters; these values were in turn multiplied by 0.3937 to provide answers in inches. Weights and strength values were similarly multiplied by 0.1 to change them to pounds and then by 0.4536 to provide values in kilograms. To facilitate preparing the tables for photographic reproduction, the results were punched on cards and the tables as published were constructed from the cards.

Chapter III

STATISTICS FOR THE CORE MEASUREMENTS

The statistical tables in this chapter summarize the data for the basic series of 69 measurements which were made on all the survey subjects wearing bras and panties.

The series of core measurements were made up of:

- a. weight
- b. 11 standing height measurements
- c. 4 sitting height measurements
- d. 6 torso breadths and depths
- e. 8 torso (including the neck) circumferences
- f. 5 arm circumferences
- g. 4 leg circumferences
- h. 11 torso surface measurements
- i. 4 arm or arm-segment lengths
- j. 3 head measurements
- k. 4 hand measurements (not including the wrist)
- l. 7 foot measurements (not including the ankle)
- m. 1 leg-segment length

All unilateral measurements were made on the right side of the body, the right arm, or the right leg.

Age and other background material for the total group of women have been given in Chapter I.

These tables include, for each measurement, a brief definition, the mean, the standard deviation, the coefficient of variation, S_1 the coefficient of symmetry, S_2 the coefficient of kurtosis, the standard errors of the mean and the standard deviation, and 25 percentiles ranging from the first to the 99th. The frequency distributions appear in Appendix A. The printout of the XVAL program, appearing in Appendix B, provides, among other things, a listing of the ten smallest and the ten largest values for each measurement.

SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

KILOGRAMS		POUNDS
83.84	99TH	184.84
79.71	98TH	175.72
77.38	97TH	170.59
74.52	95TH	164.29
70.66	90TH	155.78
68.32	85TH	150.62
66.58	80TH	146.79
65.13	75TH	143.59
63.47	70TH	140.61
62.72	65TH	138.27
61.64	60TH	135.89
60.59	55TH	133.60
59.58	50TH	131.35
58.56	45TH	129.10
57.53	40TH	126.83
56.46	35TH	124.47
55.34	30TH	122.09
54.12	25TH	119.32
52.77	20TH	116.33
51.22	15TH	112.92
49.70	10TH	108.69
46.63	5TH	102.88
45.07	7RC	99.36
44.04	2NC	97.10
42.71	1ST	94.15

1C WEIGHT

WEIGHT OF SUBJECT WEARING FANTIFS AND BRA



THE SUMMARY STATISTICS

KILOGRAMS		POUNDS
59.97	MEAN	132.22
.24	SE(M)	.53
8.69	ST DEV	19.16
.17	SE(SD)	.47

COEF. OF VARIATION 14.5%
 SYMMETRY---V-ETA I .80
 KURTOSIS---V-ETA II 5.90

NUMBER OF SUBJECTS 1332

2C STATURE

THE PERCENTILES

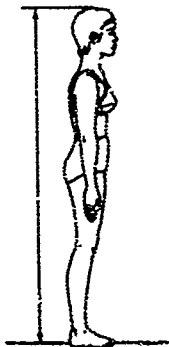
THE VERTICAL DISTANCE FROM THE FLOOR TO THE TOP
 OF THE HEAD

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
162.96	MEAN	64.18
.18	SE(M)	.07
6.52	ST DEV	2.57
.13	SE(SD)	.05

COEF. OF VARIATION 4.0X
 SYMMETRY---V-ETA I .12
 KURTOSIS---V-ETA II 2.89

NUMBER OF SUBJECTS 1331



CENTIMETERS		INCHES
178.01	99TH	70.24
176.78	98TH	69.61
175.67	97TH	69.16
174.10	95TH	68.54
169.06	85TH	66.87
168.51	80TH	66.34
167.33	75TH	65.88
166.29	70TH	65.47
165.31	65TH	65.09
164.44	60TH	64.74
163.59	55TH	64.41
162.75	50TH	64.07
161.92	45TH	63.75
161.11	40TH	63.42
160.28	35TH	63.09
159.38	30TH	62.75
158.45	25TH	62.39
157.41	20TH	61.97
156.23	15TH	61.51
154.75	10TH	60.97
152.55	5TH	60.06
151.69	7TH	59.48
149.92	2ND	59.05
148.17	1ST	58.33

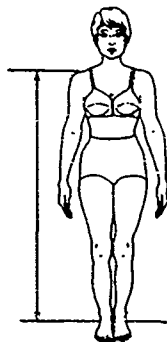
SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

3C SHOULDER HEIGHT

THE VERTICAL DISTANCE FROM THE FLOOR TO ACROMION
THE LATERAL EDGE OF THE ACROMIAL PROCESS
OF THE SHOULDER

CENTIMETERS		INCHES
147.46	99TH	58.06
146.05	98TH	57.50
145.08	97TH	57.12
143.70	95TH	56.58
141.47	90TH	55.70
139.92	85TH	55.09
138.68	80TH	54.60
137.60	75TH	54.17
136.64	70TH	53.80
135.76	65TH	53.45
134.92	60TH	53.12
134.12	55TH	52.80
133.33	50TH	52.49
132.55	45TH	52.18
131.77	40TH	51.88
130.97	35TH	51.56
130.14	30TH	51.24
129.26	25TH	50.89
128.28	20TH	50.51
127.19	15TH	50.07
125.83	10TH	49.54
124.90	5TH	49.17
122.68	3RD	48.30
121.80	2ND	47.95
120.44	1ST	47.42



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
133.49	MEAN	52.56
.16	SE(M)	.06
6.10	ST DEV	2.36
.12	SE(SC)	.05

COEF. OF VARIATION	4.5%
SYMMETRY---VETA I	.13
KURTOSIS---VETA II	2.81

NUMBER OF SUBJECTS	1331
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4C AXILLA HEIGHT

THE PERCENTILES

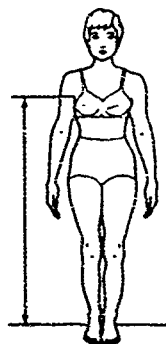
THE VERTICAL DISTANCE FROM THE FLOOR TO THE ARMPIT

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
123.25	MEAN	48.52
.15	SE(M)	.06
5.58	ST DEV	2.20
.11	SE(SC)	.04

COEF. OF VARIATION	4.5%
SYMMETRY---VETA I	.10
KURTOSIS---VETA II	2.88

NUMBER OF SUBJECTS	1331
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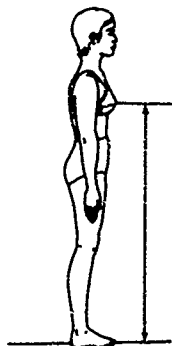
SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS		INCHES
131.52	99TH	51.78
133.06	98TH	51.21
129.11	37TH	50.83
127.78	95TH	50.31
125.69	90TH	49.48
124.25	55TH	48.92
123.11	30TH	48.47
122.12	75TH	48.08
121.24	70TH	47.73
120.43	65TH	47.41
119.66	60TH	47.11
118.91	55TH	46.82
118.18	50TH	46.53
117.46	45TH	46.24
116.73	40TH	45.96
115.99	35TH	45.66
115.21	30TH	45.36
114.38	25TH	45.03
113.46	20TH	44.67
112.41	15TH	44.26
111.12	10TH	43.75
109.28	5TH	43.02
108.13	3RD	42.57
107.30	2ND	42.25
106.05	1ST	41.75

5C BUSTPOINT HEIGHT

THE VERTICAL DISTANCE FROM THE FLOOR
TO THE TIF OF THE BRA



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
118.30	MEAN	46.57
.15	SE(M)	.06
5.63	ST DEV	2.22
.11	SE(SD)	.04

COEF. OF VARIATION	4.3%
SYMMETRY---VETA I	.10
KURTOSIS---VETA II	2.37

NUMBER OF SUBJECTS 1331

5C WAIST HEIGHT

THE VERTICAL DISTANCE FROM THE FLOOR
TO THE NATURAL WAIST LEVEL

THE SUMMARY STATISTICS

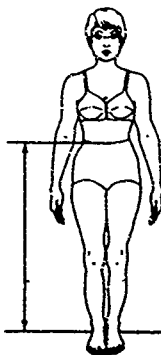
CENTIMETERS		INCHES
101.39	MEAN	39.92
.14	SE(M)	.06
5.20	ST DEV	2.05
.10	SE(SD)	.04

COEF. OF VARIATION	5.1%
SYMMETRY---VETA I	.17
KURTOSIS---VETA II	3.12

NUMBER OF SUBJECTS 1331

THE PERCENTILES

CENTIMETERS		INCHES
114.21	99TH	44.97
112.68	98TH	44.36
111.68	97TH	43.97
110.31	95TH	43.43
108.80	90TH	42.85
106.70	80TH	41.61
104.77	75TH	41.25
103.95	70TH	40.92
103.20	65TH	40.67
102.56	60TH	40.35
101.85	55TH	40.09
101.18	50TH	39.84
100.54	45TH	39.58
99.91	40TH	39.33
99.25	35TH	39.08
98.57	30TH	38.81
97.85	25TH	38.52
97.04	20TH	38.21
96.12	15TH	37.84
94.96	10TH	37.38
93.21	5TH	36.76
92.03	3TH	36.23
91.14	2ND	35.88
89.66	1ST	35.30



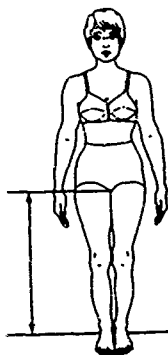
SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS		INCHES
86.81	99TH	34.18
85.73	98TH	33.75
84.99	97TH	33.46
83.92	95TH	33.04
82.20	90TH	32.36
81.01	95TH	31.89
80.06	90TH	31.52
79.26	75TH	31.20
78.54	70TH	30.92
77.89	65TH	30.66
77.28	60TH	30.42
76.70	55TH	30.20
76.13	50TH	29.97
75.57	45TH	29.75
75.02	40TH	29.54
74.46	35TH	29.32
73.89	30TH	29.09
73.27	25TH	28.85
72.60	20TH	28.58
71.85	15TH	28.29
70.90	10TH	27.92
69.52	5TH	27.37
58.61	3RD	27.01
67.93	2ND	26.74
66.80	1ST	26.30

7C CROUCH HEIGHT

THE VERTICAL DISTANCE FROM THE FLOOR
TO THE MIDPOINT OF THE CROUCH



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
76.37	MEAN	30.07
.12	SE (M)	.05
4.38	ST DEV	1.72
.08	SL (SD)	.03

COEF. OF VARIATION	5.7%
SYMMETRY---VETA I	.21
KURTOSIS---VETA II	2.98

NUMBER OF SUBJECTS	1331
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8C BUTTOCK HEIGHT

THE PERCENTILES

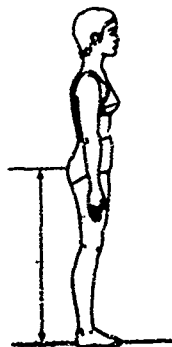
THE VERTICAL DISTANCE FROM THE FLOOR TO THE POINT
OF MAXIMUM FRACTURE OF THE BUTTOCK

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
83.80	MEAN	32.99
.13	SE (M)	.05
4.67	ST DEV	1.84
.99	SE (SC)	.04

COEF. OF VARIATION	5.6%
SYMMETRY---VETA I	.30
KURTOSIS---VETA II	3.12

NUMBER OF SUBJECTS	1331
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CENTIMETERS		INCHES
95.97	99TH	37.75
94.14	98TH	37.06
93.10	97TH	36.65
91.75	95TH	36.12
89.56	90TH	35.26
87.60	80TH	34.49
86.78	75TH	34.17
86.06	70TH	33.88
85.41	65TH	33.62
84.72	60TH	33.39
84.15	55TH	33.15
83.61	50TH	32.92
83.02	45TH	32.69
82.44	40TH	32.46
81.83	35TH	32.22
81.22	30TH	31.97
80.52	25TH	31.70
79.77	20TH	31.41
78.91	15TH	31.07
77.86	10TH	30.65
76.57	5TH	30.07
75.47	3TH	29.71
74.85	2ND	29.47
73.58	1ST	29.13

SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS	INCHES
54.18	99TH
53.58	98TH
53.15	97TH
52.51	95TH
51.46	90TH
50.73	85TH
50.16	80TH
49.66	75TH
49.22	70TH
48.82	65TH
48.45	60TH
48.10	55TH
47.76	50TH
47.42	45TH
47.09	40TH
46.76	35TH
46.41	30TH
46.05	25TH
45.65	20TH
45.20	15TH
44.84	10TH
43.80	5TH
43.24	3RD
42.81	2ND
42.07	1ST

90 KNEECAP HEIGHT

THE VERTICAL DISTANCE FROM THE FLOOR TO
THE TOP OF THE KNEECAP (PATFLLA)



THE SUMMARY STATISTICS

CENTIMETERS	INCHES
47.90	MEAN
.07	SE (M)
2.65	ST DEV
.05	SE (SD)

COEF. OF VARIATION	5.5%
SYMMETRY---VETA I	.20
KURTOSIS---VETA II	3.05

NUMBER OF SUBJECTS 1331

100 CALF HEIGHT

THE VERTICAL DISTANCE FROM THE FLOOR TO
THE LEVEL OF THE MAXIMUM CIRCUMFERENCE
OF THE CALF

THE SUMMARY STATISTICS

CENTIMETERS	INCHES
32.55	MEAN
.06	SE (M)
2.30	ST DEV
.04	SE (SD)

COEF. OF VARIATION	7.1%
SYMMETRY---VETA I	.22
KURTOSIS---VETA II	2.89

NUMBER OF SUBJECTS 1331

THE PERCENTILES

CENTIMETERS	INCHES
38.26	99TH
37.61	98TH
37.15	97TH
36.55	95TH
35.01	85TH
34.56	80TH
34.07	75TH
33.65	70TH
33.35	65TH
33.02	60TH
32.71	55TH
32.41	50TH
32.12	45TH
31.83	40TH
31.53	35TH
31.23	30TH
30.93	25TH
30.56	20TH
30.17	15TH
29.68	10TH
29.08	5TH
28.57	3TH
28.25	2ND
27.76	1ST



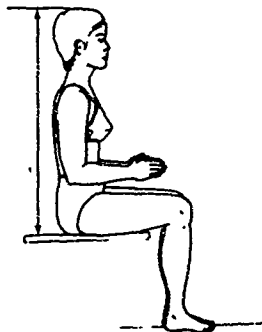
SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS	INCHES
92.74	39TH
92.02	38TH
91.53	37TH
90.82	35TH
89.66	32TH
88.04	28TH
86.17	24TH
87.59	25TH
87.05	26TH
86.56	27TH
86.09	28TH
85.63	29TH
85.17	30TH
84.71	31TH
84.24	32TH
83.76	33TH
83.25	34TH
82.69	35TH
82.06	36TH
81.34	37TH
80.41	38TH
79.01	39TH
78.08	40TH
77.39	41TH
76.27	42TH

11C SITTING HEIGHT

THE VERTICAL DISTANCE FROM THE SITTING SURFACE TO THE TOP OF THE HEAD



THE SUMMARY STATISTICS

CENTIMETERS	INCHES
85.08	MEAN
.19	SE (M)
3.59	ST DEV
.07	SE (SD)

COEF. OF VARIATION	4.2%
SYMMETRY---VEYA I	-0.14
KURTOSIS---VEYA II	2.94

NUMBER OF SUBJECTS	1331
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12C EYE HEIGHT, SITTING

THE VERTICAL DISTANCE FROM THE SITTING SURFACE TO THE OUTER CORNER OF THE EYE

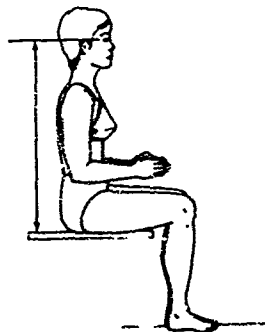
THE PERCENTILES

THE SUMMARY STATISTICS

CENTIMETERS	INCHES
73.54	MEAN
.09	SE (M)
2.46	ST DEV
.07	SE (SD)

COEF. OF VARIATION	4.7%
SYMMETRY---VEYA I	-0.13
KURTOSIS---VEYA II	2.96

NUMBER OF SUBJECTS	1331
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CENTIMETERS	INCHES
81.81	99TH
80.57	98TH
79.94	97TH
79.13	95TH
77.16	85TH
76.54	80TH
76.00	75TH
75.52	70TH
75.06	65TH
74.02	60TH
74.21	55TH
73.77	50TH
73.43	45TH
72.68	40TH
72.43	35TH
71.93	30TH
71.36	25TH
70.74	20TH
70.11	15TH
69.27	10TH
67.71	5TH
66.82	3TH
66.21	2ND
65.29	1ST

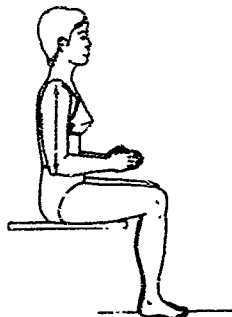
SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS		INCHES
37.65	99TH	14.82
37.25	98TH	14.67
36.97	97TH	14.55
36.56	95TH	14.39
35.89	90TH	14.13
35.42	85TH	13.95
35.05	80TH	13.80
34.73	75TH	13.67
34.45	70TH	13.56
34.19	65TH	13.46
33.94	60TH	13.35
33.71	55TH	13.27
33.49	50TH	13.18
33.26	45TH	13.10
33.04	40TH	13.01
32.82	35TH	12.92
32.59	30TH	12.83
32.34	25TH	12.73
32.07	20TH	12.63
31.77	15TH	12.51
31.39	10TH	12.36
30.84	5TH	12.14
30.48	3RD	12.00
30.21	2ND	11.85
29.77	1ST	11.72

13C SHOULDER-ELBOW LENGTH

THE VERTICAL DISTANCE FROM ACROMION, THE LATERAL EDGE OF THE ACROMIAL PROCESS OF THE SHOULDER, TO THE UNDERSIDE OF THE ELBOW, MEASURED WITH THE UPPER ARMS RELAXED & THE FOREARMS AND HANDS EXTENDED FORWARD & HORIZONTALLY



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
33.56	MEAN	13.21
.05	SE(M)	.02
1.75	ST DEV	.69
.03	SE(SD)	.01

COEF. OF VARIATION	5.2%
SYMMETRY---VETA I	.18
KURTOSIS---VETA II	3.06

NUMBER OF SUBJECTS 1331

14C ELBOW-FINGER TIP LENGTH

THE DISTANCE FROM THE TIP OF THE RIGHT ELBOW TO THE TIP OF THE MIDDLE FINGER, MEASURED WITH THE UPPER ARM HANGING RELAXED, THE FOREARM AND HAND EXTENDED FORWARD AND HORIZONTALLY

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
43.52	MEAN	17.13
.06	SE(M)	.02
2.28	ST DEV	.90
.04	SE(SD)	.02

COEF. OF VARIATION	5.3%
SYMMETRY---VETA I	.26
KURTOSIS---VETA II	2.89

NUMBER OF SUBJECTS 1331

THE PERCENTILES

CENTIMETERS		INCHES
49.20	99TH	19.37
48.54	98TH	19.11
48.11	97TH	18.94
47.51	95TH	18.71
45.95	85TH	18.09
45.45	80TH	17.89
45.03	75TH	17.73
44.65	70TH	17.58
44.31	65TH	17.45
43.95	60TH	17.32
43.65	55TH	17.20
43.35	50TH	17.08
43.10	45TH	16.97
42.81	40TH	16.86
42.52	35TH	16.74
42.22	30TH	16.62
41.91	25TH	16.49
41.55	20TH	16.36
41.15	15TH	16.20
40.67	10TH	16.01
39.97	5TH	15.74
39.54	3TH	15.57
39.22	2ND	15.44
38.72	1ST	15.24



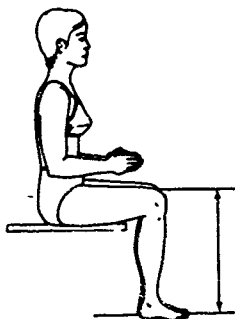
SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

15C KNEE HEIGHT, SITTING

CENTIMETERS	INCHES
57.34	99TH
56.60	98TH
56.12	97TH
55.46	95TH
54.44	90TH
53.74	85TH
53.20	80TH
52.73	75TH
52.31	70TH
51.93	65TH
51.57	60TH
51.23	55TH
50.89	50TH
50.56	45TH
50.22	40TH
49.88	35TH
49.53	30TH
49.16	25TH
48.74	20TH
48.28	15TH
47.71	10TH
46.90	5TH
46.40	3RD
46.04	2ND
45.50	1ST

THE VERTICAL DISTANCE FROM THE FOOTREST SURFACE TO A POINT ON THE THIGH 5 CM PROXIMAL TO THE ANTERIOR SURFACE OF THE PATELLA



THE SUMMARY STATISTICS

CENTIMETERS	INCHES
50.99	MEAN
.07	SE(P)
2.60	ST DEV
.05	SE(SD)

COEF. OF VARIATION	5.1%
SYMMETRY---VETA I	.22
KURTOSIS---VETA II	2.92

NUMBER OF SUBJECTS	1331

16C FOPITALEAL HEIGHT

THE PERCENTILES

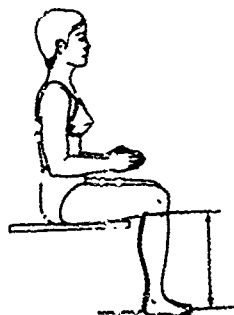
THE VERTICAL DISTANCE FROM THE FOOTREST SURFACE TO THE LATERAL EPICONDYLE OF THE THIGH WHERE THE TENDON OF THE BICEPS FEMORIS JOINS THE LOWER LEG

THE SUMMARY STATISTICS

CENTIMETERS	INCHES
41.68	MEAN
.06	SE(P)
2.35	ST DEV
.05	SE(SD)

COEF. OF VARIATION	5.6%
SYMMETRY---VETA I	.14
KURTOSIS---VETA II	2.69

NUMBER OF SUBJECTS	1331



CENTIMETERS	INCHES
47.30	99TH
46.72	98TH
46.31	97TH
45.74	95TH
44.18	85TH
43.68	80TH
43.25	75TH
42.87	70TH
42.52	65TH
42.22	60TH
41.85	55TH
41.55	50TH
41.25	45TH
41.00	40TH
40.71	35TH
40.35	30TH
40.06	25TH
39.65	20TH
39.28	15TH
38.75	10TH
37.97	5TH
37.45	3TH
37.25	2ND
36.35	1ST

SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

17C BUTTOCK-KNEE LENGTH

CENTIMETERS		INCHES
65.30	99TH	25.71
64.53	98TH	25.41
63.99	97TH	25.15
63.22	95TH	24.89
61.98	90TH	24.40
61.13	85TH	24.07
60.45	80TH	23.80
59.88	75TH	23.57
59.77	70TH	23.37
58.91	65TH	23.19
58.40	60TH	23.02
58.07	55TH	22.86
57.67	50TH	22.71
57.29	45TH	22.55
56.90	40TH	22.40
56.51	35TH	22.25
56.12	30TH	22.09
55.69	25TH	21.93
55.23	20TH	21.74
54.71	15TH	21.54
54.05	10TH	21.28
53.09	5TH	20.95
52.44	3RD	20.64
51.94	2ND	20.45
51.10	1ST	20.12

THE HORIZONTAL DISTANCE FROM THE MOST POSTERIOR PROTRUSION OF THE BUTTOCK TO THE MOST ANTERIOR POINT OF THE KNEECAP



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
57.85	MEAN	22.74
.68	SE(M)	.63
3.66	ST DEV	1.21
.66	SE(SC)	.62

COEF. OF VARIATION	5.3%
SYMMETRY---VETA I	.24
KURTOSIS---VETA II	2.95

NUMBER OF SUBJECTS 1331

18C BUST DEPTH

THE PERCENTILES

THE HORIZONTAL DISTANCE FROM THE TIP OF THE BRA TO THE BACK OF THE TORSO

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
22.92	MEAN	9.02
.06	SE(M)	.02
2.23	ST DEV	.88
.04	SE(SC)	.02

COEF. OF VARIATION	9.7%
SYMMETRY---VETA I	.62
KURTOSIS---VETA II	2.99

NUMBER OF SUBJECTS 1331



CENTIMETERS		INCHES
29.09	99TH	11.45
28.12	98TH	11.07
27.54	97TH	10.84
26.61	95TH	10.56
25.14	85TH	9.90
24.06	80TH	9.71
24.26	75TH	9.54
23.90	70TH	9.41
23.55	65TH	9.29
22.29	60TH	9.17
22.62	55TH	9.06
20.74	50TH	8.95
22.46	45TH	8.87
22.21	40TH	8.74
21.94	35TH	8.64
21.66	30TH	8.53
21.36	25TH	8.41
21.03	20TH	8.28
20.26	15TH	8.13
20.21	10TH	7.96
19.60	5TH	7.72
19.24	3TH	7.57
18.95	2ND	7.46
18.65	1ST	7.34

SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS	INCHES
25.14	9TH
23.87	98TH
23.15	97TH
22.25	95TH
21.05	90TH
20.34	85TH
19.52	80TH
19.41	75TH
19.07	70TH
18.76	65TH
18.49	60TH
18.23	55TH
17.99	50TH
17.75	45TH
17.52	40TH
17.29	35TH
17.05	30TH
16.80	25TH
16.53	20TH
16.23	15TH
15.86	10TH
15.33	5TH
15.00	3RD
14.76	2ND
14.41	1ST

19C WAIST DEPTH

THE ANTERIOR-POSTERIOR DEPTH OF THE TORSO
AT THE LEVEL OF THE WAIST



THE SUMMARY STATISTICS

CENTIMETERS	INCHES
16.29	MEAN
.06	SE(M)
2.21	ST DEV
.04	SE(SC)

COEF. OF VARIATION	12.1%
SYMMETRY---VETA I	1.32
KURTOSIS---VETA II	7.31

NUMBER OF SUBJECTS	1331
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20C CHEST BREADTH

THE PERCENTILES

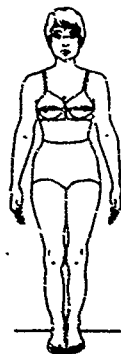
THE LEFT-RIGHT BREADTH OF THE TORSO AT THE LEVEL
OF THE BUST POINTS

THE SUMMARY STATISTICS

CENTIMETERS	INCHES
28.25	MEAN
.05	SE(M)
1.86	ST DEV
.04	SE(SC)

COEF. OF VARIATION	6.6%
SYMMETRY---VETA I	.65
KURTOSIS---VETA II	5.19

NUMBER OF SUBJECTS	1331
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CENTIMETERS	INCHES
33.15	99TH
32.43	98TH
31.95	97TH
31.42	95TH
30.11	85TH
29.72	80TH
29.35	75TH
29.11	70TH
28.85	65TH
28.61	60TH
28.32	55TH
28.15	50TH
27.92	45TH
27.70	40TH
27.46	35TH
27.22	30TH
26.96	25TH
26.67	20TH
26.35	15TH
25.95	10TH
25.32	5TH
25.04	3TH
24.81	2ND
24.46	1ST

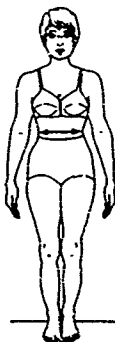
SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

21C WAIST BREADTH

CENTIMETERS	INCHES
32.07	96TH
31.71	90TH
30.94	97TH
29.99	95TH
28.70	94TH
27.94	85TH
27.38	90TH
26.93	75TH
26.54	70TH
26.20	65TH
25.88	60TH
25.59	55TH
25.30	50TH
25.03	45TH
24.75	40TH
24.47	35TH
24.19	30TH
23.88	25TH
23.55	20TH
23.18	15TH
22.72	10TH
22.10	5TH
21.73	3RD
21.49	2ND
21.15	1ST

THE LEFT-RIGHT BREADTH OF THE TORSO AT THE LEVEL OF THE WAIST



THE SUMMARY STATISTICS

CENTIMETERS	INCHES
25.58	MEAN
.07	SE(M)
2.46	ST DEV
.05	SE(SD)

COEF. OF VARIATION	9.62
SYMMETRY---VETA I	.93
KURTOSIS---VETA II	5.96

NUMBER OF SUBJECTS	1331
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22C HIP BREADTH

THE PERCENTILES

THE MAXIMUM HORIZONTAL BREADTH OF THE HIPS

THE SUMMARY STATISTICS

CENTIMETERS	INCHES
35.37	MEAN
.07	SE(M)
2.47	ST DEV
.05	SE(SD)

COEF. OF VARIATION	7.62
SYMMETRY---VETA I	.48
KURTOSIS---VETA II	4.21

NUMBER OF SUBJECTS	1331
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CENTIMETERS	INCHES
41.05	99TH
40.86	98TH
40.24	97TH
39.54	95TH
37.87	85TH
37.35	80TH
36.87	75TH
36.50	70TH
36.16	65TH
35.85	60TH
35.55	55TH
35.25	50TH
34.96	45TH
34.66	40TH
34.36	35TH
34.04	30TH
33.77	25TH
33.32	20TH
32.88	15TH
32.32	10TH
31.53	5TH
31.61	3TH
30.66	2ND
30.11	1ST



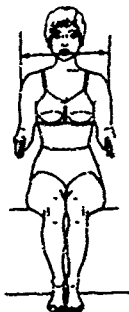
SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS		INCHES
47.50	99TH	18.70
46.71	98TH	18.39
46.25	97TH	18.21
45.66	95TH	17.98
44.82	90TH	17.65
44.27	85TH	17.43
43.65	80TH	17.26
43.49	75TH	17.12
43.16	70TH	16.99
42.86	65TH	16.87
42.57	60TH	16.76
42.29	55TH	16.65
42.01	50TH	16.54
41.73	45TH	16.43
41.45	40TH	16.32
41.15	35TH	16.20
40.84	30TH	16.08
40.50	25TH	15.94
40.12	20TH	15.80
39.69	15TH	15.62
39.15	10TH	15.41
38.41	5TH	15.12
37.98	3RD	14.95
37.69	2ND	14.84
37.32	1ST	14.69

23C SHOULDER (BIDELTOID) BROADTH

THE HORIZONTAL DISTANCE ACROSS THE MAXIMUM LATERAL PROTRUSIONS OF THE RIGHT & LEFT DELTOID MUSCLES



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
42.05	MEAN	16.55
.06	SE(M)	.02
2.24	ST DEV	.38
.04	SE(SD)	.02

COEF. OF VARIATION	5.3%
SYMMETRY---VETA I	.38
KURTOSIS---VETA II	4.23

NUMBER OF SUBJECTS 1331

24C NECK CIRCUMFERENCE

THE CIRCUMFERENCE OF THE BASE OF THE NECK
(THIS CIRCUMFERENCE IS NOT IN A PLANE
PERPENDICULAR TO THE AXIS OF THE NECK)

THE SUMMARY STATISTICS

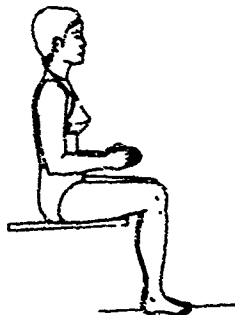
CENTIMETERS		INCHES
32.36	MEAN	12.74
.04	SE(M)	.02
1.59	ST DEV	.62
.03	SE(SD)	.02

COEF. OF VARIATION	4.9%
SYMMETRY---VETA I	.37
KURTOSIS---VETA II	3.84

NUMBER OF SUBJECTS 1331

THE PERCENTILES

CENTIMETERS		INCHES
36.34	99TH	14.31
35.79	98TH	14.09
35.45	97TH	13.96
35.02	95TH	13.79
33.97	90TH	13.38
33.66	85TH	13.25
33.36	80TH	13.14
33.14	75TH	13.05
32.92	70TH	12.96
32.72	65TH	12.88
32.51	60TH	12.80
32.31	55TH	12.72
32.11	50TH	12.64
31.91	45TH	12.56
31.71	40TH	12.46
31.45	35TH	12.40
31.26	30TH	12.31
31.01	25TH	12.21
30.71	20TH	12.09
30.36	15TH	11.93
29.86	10TH	11.75
29.56	5TH	11.64
29.36	3RD	11.56
29.08	2ND	11.45
	1ST	11.45



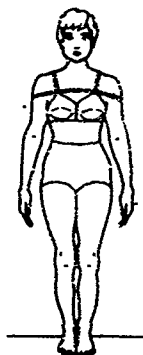
SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS		INCHES
114.28	99TH	44.99
112.16	98TH	44.16
110.93	97TH	43.67
109.37	95TH	43.06
107.16	90TH	42.19
105.77	85TH	41.64
104.70	80TH	41.22
103.79	75TH	40.86
102.98	70TH	40.54
102.24	65TH	40.25
101.55	60TH	39.98
100.87	55TH	39.71
100.21	50TH	39.45
99.54	45TH	39.19
98.87	40TH	38.93
98.18	35TH	38.65
97.45	30TH	38.36
96.66	25TH	38.06
95.79	20TH	37.71
94.80	15TH	37.32
93.58	10TH	36.84
91.90	5TH	36.18
90.92	3RD	35.80
90.28	2ND	35.54
89.44	1ST	35.21

29C SHOULDER CIRCUMFERENCE

THE HORIZONTAL CIRCUMFERENCE OF THE SHOULDERS
MEASURED AT THE LEVEL OF THE GREATEST LATERAL
PROTRUSION OF THE DELTOID MUSCLES



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
100.39	MEAN	39.52
.15	SE(M)	.06
5.46	ST DEV	2.15
.11	SE(SD)	.04

COEF. OF VARIATION	5.42
SYMMETRY---VETA I	.43
KURTOSIS---VETA II	5.25

NUMBER OF SUBJECTS 1331

26C CHEST CIRCUMFERENCE AT SCYE

THE HORIZONTAL CIRCUMFERENCE OF THE TRUNK MEASURED
WITH THE TAPE HIGH IN THE ARMPITS

THE SUMMARY STATISTICS

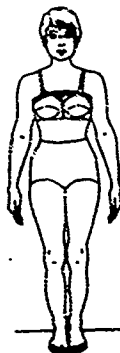
CENTIMETERS		INCHES
85.95	MEAN	33.86
.14	SE(M)	.06
5.19	ST DEV	2.05
.10	SE(SED)	.04

COEF. OF VARIATION	6.12
SYMMETRY---VETA I	.64
KURTOSIS---VETA II	4.95

NUMBER OF SUBJECTS 1331

THE PERCENTILES

CENTIMETERS		INCHES
95.44	99TH	39.15
97.22	98TH	38.25
95.94	97TH	37.77
94.33	95TH	37.14
90.68	85TH	35.70
89.61	80TH	35.28
88.72	75TH	34.93
87.94	70TH	34.62
87.23	65TH	34.34
86.55	60TH	34.08
85.91	55TH	33.82
85.28	50TH	33.58
84.65	45TH	33.33
84.02	40TH	33.08
83.37	35TH	32.82
82.65	30TH	32.56
81.96	25TH	32.27
81.15	20TH	31.95
80.23	15TH	31.59
79.14	10TH	31.14
77.54	5TH	30.53
76.63	3TH	30.17
76.02	2ND	29.93
75.21	1ST	29.61



SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS		INCHES
105.65	99TH	42.67
102.79	98TH	40.47
101.08	97TH	39.80
98.99	95TH	38.97
96.16	90TH	37.86
94.44	95TH	37.18
93.16	80TH	36.68
92.08	75TH	36.25
91.13	70TH	35.88
90.26	65TH	35.54
89.44	60TH	35.21
88.66	55TH	34.90
87.88	50TH	34.60
87.10	45TH	34.29
86.31	40TH	33.98
85.53	35TH	33.66
84.65	30TH	33.33
83.75	25TH	32.96
82.71	20TH	32.56
81.56	15TH	32.11
80.18	10TH	31.57
78.35	5TH	30.85
77.38	3RD	30.46
76.01	2ND	30.24
76.22	1ST	30.01

27C BUST CIRCUMFERENCE

THE HORIZONTAL CIRCUMFERENCE OF THE TRUNK MEASURED WITH THE TAPE PASSING OVER THE BRA POINTS



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
88.21	MEAN	34.73
.18	SE(M)	.07
6.43	ST DEV	2.53
.12	SE(SD)	.05

COEF. OF VARIATION	7.3%
SYMMETRY---VETA I	.66
KURTOSIS---VETA II	4.73

NUMBER OF SUBJECTS	1331
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28C CHEST CIRCUMFERENCE BELOW BUST

THE HORIZONTAL CIRCUMFERENCE OF THE TRUNK MEASURED AT A LEVEL JUST BELOW THE CUPS OF THE BRA

THE SUMMARY STATISTICS

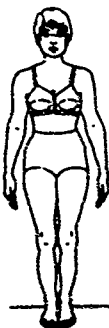
CENTIMETERS		INCHES
74.82	MEAN	29.46
.14	SE(M)	.05
5.02	ST DEV	1.98
.10	SE(SD)	.04

COEF. OF VARIATION	6.7%
SYMMETRY---VETA I	.78
KURTOSIS---VETA II	5.06

NUMBER OF SUBJECTS	1331
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THE PERCENTILES

CENTIMETERS		INCHES
89.26	99TH	35.12
86.58	98TH	34.09
85.11	97TH	33.52
83.37	95TH	32.82
79.64	85TH	31.35
78.61	80TH	30.95
77.75	75TH	30.61
77.01	70TH	30.32
76.32	65TH	30.05
75.70	60TH	29.60
75.05	55TH	29.56
74.45	50TH	29.33
73.85	45TH	29.09
73.25	40TH	28.86
72.68	35TH	28.61
72.03	30TH	28.36
71.34	25TH	28.09
70.57	20TH	27.79
69.72	15TH	27.45
68.85	10TH	27.84
67.36	5TH	26.92
66.66	3TH	26.25
66.30	2ND	26.10
65.96	1ST	25.97



SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS	INCHES
92.37	36.36
88.51	34.85
86.29	33.97
83.92	32.88
79.76	31.40
77.53	30.52
74.91	29.48
74.63	29.37
73.50	28.94
72.53	28.55
71.65	28.21
70.43	27.73
70.05	27.58
69.39	27.28
68.57	27.00
67.84	26.71
67.09	26.41
66.30	26.10
65.46	25.76
64.51	25.40
63.36	24.94
61.73	24.30
60.73	23.91
60.03	23.63
58.96	23.21

29C WAIST CIRCUMFERENCE

THE HORIZONTAL CIRCUMFERENCE OF THE WAIST AT THE
'NATURAL' WAIST LEVEL



THE SUMMARY STATISTICS

CENTIMETERS	INCHES
71.61	MEAN 27.96
.19	SE (M) .07
4.60	ST DEV 2.72
.13	SE (SD) .05

COEFF. OF VARIATION	0.7%
SYMMETRY---VETA I	1.22
KURTOSIS---VETA II	6.42

NUMBER OF SUBJECTS	1331
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30C HIP CIRCUMFERENCE

THE MAXIMUM CIRCUMFERENCE OF THE HIPS AT THE LEVEL
OF THE MAXIMUM POSTERIOR PROTRUSION OF
THE BUTTOCKS

THE SUMMARY STATISTICS

CENTIMETERS	INCHES
95.52	MEAN 37.61
.16	SE (M) .07
5.39	ST DEV 2.11
.12	SE (SD) .05

COEFF. OF VARIATION	0.7%
SYMMETRY---VETA I	.67
KURTOSIS---VETA II	5.10

NUMBER OF SUBJECTS	1331
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THE PERCENTILES

CENTIMETERS	INCHES
112.57	44.32
109.54	43.13
106.92	42.07
104.05	41.37
101.70	40.04
100.43	39.54
99.37	39.12
98.43	38.75
97.55	38.42
96.75	38.11
96.03	37.81
95.25	37.51
94.53	37.22
93.76	36.92
93.01	36.61
92.15	36.29
91.25	35.94
90.25	35.55
89.11	35.09
87.86	34.51
86.45	33.95
84.11	33.11
82.1	32.70
80.56	31.71



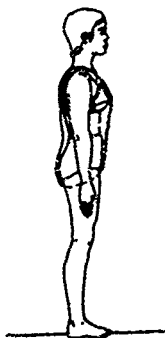
SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS		INCHES
171.81	99TH	67.64
169.48	98TH	66.72
163.02	97TH	64.15
166.07	95TH	65.38
163.15	90TH	64.23
161.24	85TH	63.48
159.77	80TH	62.50
158.52	75TH	62.41
157.42	70TH	61.98
156.42	55TH	61.58
155.48	50TH	61.21
154.59	45TH	60.86
153.71	40TH	60.52
152.84	35TH	60.17
151.97	30TH	59.83
151.07	25TH	59.47
150.12	20TH	59.10
149.19	15TH	58.70
147.94	10TH	58.24
146.60	5TH	57.71
144.86	1TH	57.03
142.17	5TH	56.97
141.32	3RD	55.24
138.89	2ND	54.68
136.50	1ST	53.74

31C VERTICAL TRUNK CIRCUMFERENCE

THE CIRCUMFERENCE OF THE TRUNK MEASURED WITH THE TAPE PASSING THROUGH THE CROTCH, OVER THE PROMINENCE OF THE BUTTOCK, THE MIDSPRIDGE POINT, AND THE TIP OF THE BRA. THE TAPE FOLLOWS THE CONTOUR OF THE BODY'S BACK BUT NOT ITS FRONT



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
152.04	MEAN	60.57
.20	SE(M)	.08
7.27	ST DEV	2.86
.14	SE(SC)	.06

COEF. OF VARIATION	4.7%
SYMMETRY---VETA I	.13
KURTOSIS---VETA II	3.42

NUMBER OF SUBJECTS	1331
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32C ARM SCYE CIRCUMFERENCE

THE CIRCUMFERENCE OF THE SCYE MEASURED WITH THE TAPE PASSING THROUGH THE ARMPIT & OVER ACROMION

THE SUMMARY STATISTICS

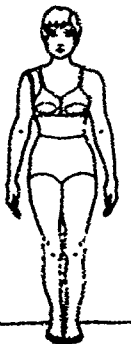
CENTIMETERS		INCHES
37.52	MEAN	14.77
.37	SE(M)	.03
2.42	ST DEV	.95
.05	SE(SC)	.02

COEF. OF VARIATION	6.52
SYMMETRY---VETA I	.55
KURTOSIS---VETA II	4.20

NUMBER OF SUBJECTS	1331
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THE PERCENTILES

CENTIMETERS		INCHES
44.16	99TH	17.38
43.05	98TH	16.96
42.47	97TH	16.72
41.00	95TH	16.41
39.90	90TH	15.71
39.39	85TH	15.51
38.96	80TH	15.34
38.60	75TH	15.21
38.26	70TH	15.06
37.90	65TH	14.94
37.66	60TH	14.83
37.37	55TH	14.71
37.18	50TH	14.60
36.80	45TH	14.49
36.50	40TH	14.37
36.20	35TH	14.25
35.87	30TH	14.12
35.57	25TH	13.99
35.02	20TH	13.81
34.86	15TH	13.61
33.81	10TH	13.31
33.30	5TH	13.13
33.02	3RD	12.96
32.57	1ST	12.81



SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS		INCHES
32.65	95TH	12.87
31.96	90TH	12.58
31.39	87TH	12.36
30.69	85TH	12.09
29.73	80TH	11.70
29.13	75TH	11.47
28.66	70TH	11.29
28.30	65TH	11.14
27.97	60TH	11.01
27.66	55TH	10.89
27.37	50TH	10.78
27.10	45TH	10.67
26.82	40TH	10.56
26.54	35TH	10.45
26.26	30TH	10.34
25.97	25TH	10.22
25.66	20TH	10.10
25.32	15TH	9.97
24.95	10TH	9.82
24.51	5TH	9.65
23.96	1ST	9.47
23.18	9TH	9.13
22.71	7TH	8.94
22.38	5TH	8.81
21.93	1ST	8.63

33C BICEPS CIRCUMFERENCE, FLEXED

THE CIRCUMFERENCE OF THE ARM AT THE LEVEL OF THE MAXIMAL PROTRUSION OF THE BICEPS, MEASURED WITH THE ELBOW FLEXED 90 DEGREES, THE UPPER ARM HORIZONTAL AND THE FIST TIGHTLY CLINCHED.

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
26.07	MEAN	10.28
.04	SE(M)	.02
2.29	ST DEV	.90
.04	SE(SC)	.02

Coeff. OF VARIATION	9.5%
SYMMETRY---VETA I	.40
KURTOSIS---VETA II	3.94

NUMBER OF SUBJECTS	1771
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34C ELBOW CIRCUMFERENCE, FLEXED

THE CIRCUMFERENCE OF THE LOWER ARM MEASURED OVER THE TIP AND THUMB OF THE WRIST OF THE ELBOW WITH THE ELBOW FLEXED 90 DEGREES, THE UPPER ARM HORIZONTAL AND THE FIST CLINCHED.

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
25.98	MEAN	10.23
.04	SE(M)	.02
1.62	ST DEV	.64
.03	SE(SC)	.01

Coeff. OF VARIATION	6.3%
SYMMETRY---VETA I	.38
KURTOSIS---VETA II	3.43

NUMBER OF SUBJECTS	1771
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THE PERCENTILES

CENTIMETERS		INCHES
25.71	95TH	10.13
25.07	90TH	9.87
24.26	87TH	9.57
23.80	85TH	9.37
23.02	80TH	9.08
22.24	75TH	8.78
21.46	70TH	8.48
20.78	65TH	8.19
20.01	60TH	7.89
19.24	55TH	7.59
18.46	50TH	7.29
17.69	45TH	6.99
16.91	40TH	6.69
16.14	35TH	6.39
15.36	30TH	6.09
14.59	25TH	5.79
13.81	20TH	5.49
13.04	15TH	5.19
12.26	10TH	4.89
11.49	5TH	4.59
10.71	1ST	4.29



SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS		INCHES
28.38	99TH	11.14
27.82	98TH	10.95
27.53	97TH	10.84
27.14	95TH	10.68
26.56	90TH	10.46
26.12	95TH	10.31
25.88	90TH	10.19
25.63	75TH	10.09
25.40	70TH	10.00
25.19	65TH	9.92
24.99	60TH	9.84
24.80	55TH	9.76
24.61	50TH	9.69
24.42	45TH	9.61
24.23	40TH	9.54
24.03	35TH	9.46
23.82	30TH	9.38
23.59	25TH	9.29
23.34	20TH	9.19
23.05	15TH	9.07
22.68	10TH	8.93
22.15	5TH	8.72
21.81	3RD	8.59
21.57	2ND	8.49
21.26	1ST	8.34

33C FOREARM CIRCUMFERENCE, FLEXED

THE MAXIMUM CIRCUMFERENCE OF THE LOWER ARM MEASURED WITH THE ELBOW FLEXED 90 DEGREES, THE UPPER ARM HORIZONTAL, AND THE FIST TIGHTLY CLENCHED

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
24.63	MEAN	9.70
.04	SE(M)	.02
1.53	ST DEV	.60
.03	SE(SD)	.01

COEF. OF VARIATION	6.2%
SYMMETRY---VETA I	.25
KURTOSIS---VETA II	3.68

NUMBER OF SUBJECTS	1331
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36C WRIST CIRCUMFERENCE

THE CIRCUMFERENCE OF THE WRIST AT STYLIC LEVEL

THE SUMMARY STATISTICS

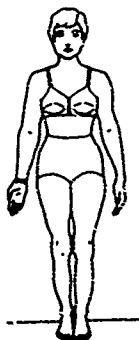
CENTIMETERS		INCHES
14.71	MEAN	5.79
.02	SE(M)	.01
.69	ST DEV	.27
.01	SE(SD)	.01

COEF. OF VARIATION	4.7%
SYMMETRY---VETA I	.18
KURTOSIS---VETA II	3.10

NUMBER OF SUBJECTS	1331
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THE PERCENTILES

CENTIMETERS		INCHES
16.25	99TH	6.40
16.11	98TH	6.34
16.00	97TH	6.30
15.85	95TH	6.24
15.42	90TH	6.07
15.29	85TH	6.02
15.16	80TH	5.97
15.06	75TH	5.92
14.96	70TH	5.89
14.86	65TH	5.85
14.77	60TH	5.82
14.66	55TH	5.78
14.60	50TH	5.75
14.51	45TH	5.71
14.42	40TH	5.68
14.31	35TH	5.64
14.21	30TH	5.60
14.12	25TH	5.56
14.00	20TH	5.51
13.85	15TH	5.45
13.62	10TH	5.36
13.47	5TH	5.30
13.35	3RD	5.26
13.16	1ST	5.18



SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS		INCHES
69.02	95TH	27.17
67.04	90TH	26.39
65.91	87TH	25.95
64.52	85TH	25.40
62.61	80TH	24.65
61.44	75TH	24.19
60.56	70TH	23.84
59.82	65TH	23.55
59.17	60TH	23.29
58.57	55TH	23.06
58.00	50TH	22.83
57.45	45TH	22.62
56.90	40TH	22.40
56.35	35TH	22.19
55.79	30TH	21.97
55.21	25TH	21.73
54.63	20TH	21.49
53.90	15TH	21.22
53.12	10TH	20.91
52.21	5TH	20.56
51.36	0TH	20.10
49.35	5TH	19.43
46.28	3RD	18.61
47.51	2ND	18.71
46.39	1ST	18.26

37C UPPER THIGH CIRCUMFERENCE

THE CIRCUMFERENCE OF THE LEG IN A PLANE PERPENDICULAR TO ITS AXIS MEASURED AT THE LEVEL OF THE LOWEST POINT OF THE GLUTEAL FURROW



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
56.92	MEAN	22.41
.13	SE(M)	.05
4.59	ST DEV	1.81
.69	SE(SC)	.27

COEF. OF VARIATION	6.1%
SYMMETRY---VETA I	.21
KURTOSIS---VETA II	3.01

NUMBER OF SUBJECTS 1331

38C KNEE CIRCUMFERENCE

THE CIRCUMFERENCE OF THE KNEE AT THE LEVEL OF THE MIDPOINT OF THE KNEE CAP

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
34.03	MEAN	13.71
.06	SE(M)	.02
2.26	ST DEV	.89
.24	SE(SC)	.02

COEF. OF VARIATION	6.4%
SYMMETRY---VETA I	.40
KURTOSIS---VETA II	3.50

NUMBER OF SUBJECTS 1331

THE PERCENTILES

CENTIMETERS		INCHES
40.99	95TH	16.14
39.94	90TH	15.74
38.47	87TH	15.51
36.66	85TH	15.23
37.09	80TH	14.60
36.83	75TH	14.42
36.24	70TH	14.27
35.91	65TH	14.14
35.55	60TH	14.01
35.31	55TH	13.97
35.02	50TH	13.90
34.74	45TH	13.84
34.47	40TH	13.77
34.19	35TH	13.74
33.90	30TH	13.66
33.59	25TH	13.52
33.26	20TH	13.37
32.9	15TH	13.26
32.40	10TH	12.79
31.96	5TH	12.58
31.25	0TH	12.37
30.84	5TH	12.14
30.57	3RD	12.07
30.27	1ST	11.94



SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS	INCHES
41.31	99TH
40.43	95TH
39.91	90TH
39.25	85TH
38.27	80TH
37.64	75TH
37.15	70TH
36.73	65TH
36.35	60TH
36.01	55TH
35.68	50TH
35.36	45TH
35.05	40TH
34.73	35TH
34.41	30TH
34.08	25TH
33.73	20TH
33.35	15TH
32.93	10TH
32.45	5TH
31.86	1ST

39C GOLF CIRCUMFERENCE

THE MAXIMUM CIRCUMFERENCE OF THE GOLF



THE SUMMARY STATISTICS

CENTIMETERS	INCHES
35.09	MEAN
.07	SE(M)
2.51	ST DEV
.05	SE(SD)

COEF. OF VARIATION	7.21
SYMMETRY---VETA I	.23
KURTOSIS---VETA II	3.44

NUMBER OF SUBJECTS	1331
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43C ANKLE CIRCUMFERENCE

THE MINIMUM CIRCUMFERENCE OF THE ANKLE

THE SUMMARY STATISTICS

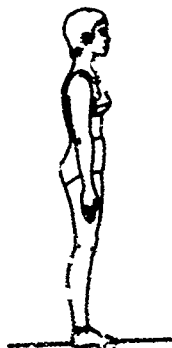
CENTIMETERS	INCHES
20.73	MEAN
.03	SE(M)
1.25	ST DEV
.02	SE(SD)

COEF. OF VARIATION	2.02
SYMMETRY---VETA I	.11
KURTOSIS---VETA II	2.95

NUMBER OF SUBJECTS	1331
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THE PERCENTILES

CENTIMETERS	INCHES
22.74	99TH
22.36	95TH
22.10	90TH
22.05	85TH
22.04	80TH
21.78	75TH
21.56	70TH
21.77	65TH
21.19	60TH
21.02	55TH
20.86	50TH
20.77	45TH
20.54	40TH
20.38	35TH
20.22	30TH
20.05	25TH
19.87	20TH
19.44	15TH
19.11	10TH
18.72	5TH
18.42	1ST



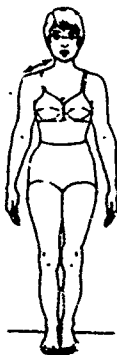
SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

410 SHOULDER LENGTH

CENTIMETERS		INCHES
17.71	99TH	6.97
17.34	91TH	6.83
17.11	87TH	6.74
16.81	85TH	6.62
16.37	80TH	6.44
16.05	75TH	6.33
15.86	70TH	6.25
15.68	75TH	6.17
15.52	70TH	6.11
15.37	65TH	6.05
15.23	60TH	6.00
15.10	55TH	5.95
14.98	50TH	5.90
14.85	45TH	5.85
14.72	40TH	5.80
14.59	35TH	5.74
14.45	30TH	5.69
14.30	25TH	5.63
14.13	20TH	5.56
13.94	15TH	5.49
13.68	10TH	5.39
13.29	5TH	5.23
13.02	3RD	5.13
12.81	2ND	5.04
12.46	1ST	4.91

THE SURFACE DISTANCE FROM THE NECK-SHOULDER JUNCTION TO ACROMION



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
15.00	MEAN	5.91
.13	SE(M)	.01
1.06	ST DEV	.42
.02	SE(SD)	.01

COEF. OF VARIATION	7.1%
SYMMETRY---VETA I	.13
KURTOSIS---VETA II	3.22

NUMBER OF SUBJECTS 1331

420 INTERSCAPE, BACK

THE PERCENTILES

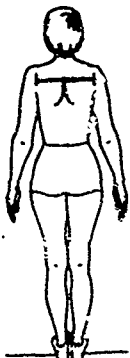
THE SURFACE DISTANCE ACROSS THE BACK OF THE TORSO BETWEEN POINTS MIDWAY BETWEEN THE POSTERIOR SIDES OF THE AXILLAS AND THE ACROMIAL POINTS

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
37.86	MEAN	14.90
.06	SE(M)	.01
2.35	ST DEV	.93
.05	SE(SD)	.02

COEF. OF VARIATION	6.2%
SYMMETRY---VETA I	.08
KURTOSIS---VETA II	3.21

NUMBER OF SUBJECTS 1331



CENTIMETERS		INCHES
47.65	99TH	17.19
42.77	90TH	16.84
42.30	87TH	16.65
41.65	85TH	16.42
40.23	80TH	15.84
39.70	75TH	15.64
39.40	70TH	15.51
39.10	65TH	15.38
38.70	60TH	15.25
38.40	55TH	15.13
38.15	50TH	15.02
37.86	45TH	14.90
37.56	40TH	14.79
37.27	35TH	14.67
36.98	30TH	14.55
36.63	25TH	14.42
36.37	20TH	14.28
36.07	15TH	14.12
35.61	10TH	13.94
34.81	5TH	13.71
34.04	3RD	13.41
33.31	2ND	13.11
32.95	1ST	12.99

SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS		INCHES
37.59	99TH	14.80
36.59	98TH	14.56
36.63	97TH	14.42
36.15	95TH	14.23
35.44	90TH	13.95
34.94	85TH	13.77
34.62	80TH	13.63
34.31	75TH	13.51
34.04	70TH	13.40
33.79	65TH	13.30
33.56	60TH	13.21
33.34	55TH	13.12
33.11	50TH	13.04
32.90	45TH	12.95
32.68	40TH	12.86
32.45	35TH	12.78
32.21	30TH	12.68
31.96	25TH	12.58
31.68	20TH	12.47
31.35	15TH	12.34
30.95	10TH	12.19
30.34	5TH	11.96
29.63	3RD	11.82
29.77	2ND	11.72
29.39	1ST	11.57

43C INTERSCYE, FRONT

THE SURFACE DISTANCE ACROSS THE FRONT IN THE CORSED
BETWEEN POINTS MIDWAY BETWEEN THE ANTERIOR AXES
OF THE ARMPIIT AND THE ACROMIAL POINTS



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
33.27	MEAN	13.06
.15	SE(M)	.02
1.75	ST DEV	.63
.03	SE(SC)	.01

COEF. OF VARIATION	5.32
SYMMETRY---VETA I	.72
KURTOSIS---VETA II	3.11

NUMBER OF SUBJECTS	1301
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44C BACK CURVATURE-BUST LEVEL

THE SURFACE DISTANCE ACROSS THE BACK BETWEEN THE
MIDAXILLARY LINES AT THE LEVEL OF THE IFA POINTS

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
41.97	MEAN	16.52
.39	SE(M)	.02
3.17	ST DEV	1.25
.06	SE(SC)	.02

COEF. OF VARIATION	7.62
SYMMETRY---VETA I	.57
KURTOSIS---VETA II	4.78

NUMBER OF SUBJECTS	1331
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THE PERCENTILES

CENTIMETERS		INCHES
40.50	99TH	15.91
39.17	98TH	15.46
38.76	97TH	15.24
37.35	95TH	14.64
35.05	90TH	13.75
34.44	80TH	13.50
33.90	75TH	13.23
33.11	70TH	12.91
32.00	65TH	12.43
31.65	60TH	12.37
31.22	55TH	12.22
30.84	50TH	12.04
30.47	45TH	11.83
30.15	40TH	11.68
29.77	35TH	11.52
29.29	30TH	11.35
28.85	25TH	11.29
28.35	20TH	11.14
27.78	15TH	10.97
27.07	10TH	10.69
26.04	5TH	10.25
25.40	3TH	10.03
25.00	2ND	9.84
24.71	1ST	9.73



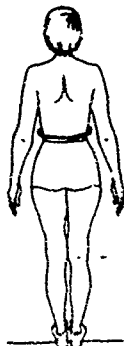
SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS	INCHES
46.32	98TH
44.25	96TH
43.97	97TH
41.62	95TH
39.69	90TH
38.56	85TH
37.75	80TH
37.19	75TH
36.55	70TH
36.07	65TH
35.64	60TH
35.23	55TH
34.85	50TH
34.48	45TH
34.11	40TH
33.75	35TH
33.37	30TH
32.97	25TH
32.54	20TH
32.05	15TH
31.45	10TH
30.59	5TH
29.05	3RD
29.67	2ND
29.19	1ST

45C BACK CURVATURE-WAIST LEVEL

THE SURFACE DISTANCE ACROSS THE BACK BETWEEN THE MIDAXILLARY LINES AT WAIST LEVEL



THE SUMMARY STATISTICS

CENTIMETERS	INCHES
35.31	MEAN
.10	SE(M)
3.40	ST DEV
.17	SE(SE)

COEF. OF VARIATION	9.9%
SYMMETRY---VETA I	1.26
KURTOSIS---VETA II	6.84

NUMBER OF SUBJECTS 1331

46C BACK CURVATURE-HIP LEVEL

THE SURFACE DISTANCE ACROSS THE BACK BETWEEN THE MIDAXILLARY LINES AT THE LEVEL OF THE MAXIMUM PROTRUSION OF THE BUTTOCKS

THE SUMMARY STATISTICS

CENTIMETERS	INCHES
47.51	MEAN
.19	SE(M)
5.74	ST DEV
.07	SE(SE)

COEF. OF VARIATION	7.9%
SYMMETRY---VETA I	.47
KURTOSIS---VETA II	4.26

NUMBER OF SUBJECTS 1331

THE PERCENTILES

CENTIMETERS	INCHES
57.34	95TH
55.94	90TH
55.00	85TH
53.90	80TH
51.28	75TH
50.40	70TH
49.32	65TH
48.23	60TH
46.71	55TH
46.22	50TH
47.75	45TH
47.30	40TH
46.66	35TH
46.41	30TH
45.96	25TH
45.49	20TH
44.95	15TH
44.44	10TH
43.80	5TH
43.00	3RD
41.05	2ND
40.47	1ST



SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS	INCHES
47.61	99TH
46.70	98TH
46.14	97TH
45.40	95TH
44.31	90TH
43.59	85TH
43.04	80TH
42.56	75TH
42.15	70TH
41.77	65TH
41.41	60TH
41.07	55TH
40.73	50TH
40.40	45TH
40.07	40TH
39.73	35TH
39.37	30TH
38.99	25TH
38.58	20TH
38.10	15TH
37.52	10TH
36.71	5TH
36.21	3RD
35.86	2ND
35.35	1ST

47C WAIST BACK LENGTH

THE SURFACE DISTANCE FROM THE WAIST TO CERVICALE



THE SUMMARY STATISTICS

CENTIMETERS	INCHES
40.85	MEAN
.67	SE(M)
2.65	ST DEV
.15	SE(SD)

COEF. OF VARIATION	6.5%
SYMMETRY---VETA I	.31
KURTOSIS---VETA II	3.18

NUMBER OF SUBJECTS	1331
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48C WAIST FRONT LENGTH

THE SURFACE DISTANCE FROM THE WAIST TO THE ANTERIOR NECK-TORSO JUNCTURE

THE SUMMARY STATISTICS

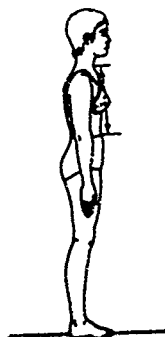
CENTIMETERS	INCHES
36.74	MEAN
.67	SE(M)
2.63	ST DEV
.05	SE(SD)

CCEF. OF VARIATION	7.2%
SYMMETRY---VETA I	.56
KURTOSIS---VETA II	3.70

NUMBER OF SUBJECTS	1331
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THE PERCENTILES

CENTIMETERS	INCHES
44.33	99TH
43.03	98TH
42.29	97TH
41.34	95TH
39.32	85TH
38.75	80TH
38.27	75TH
37.87	70TH
37.50	65TH
37.16	60TH
36.84	55TH
36.52	50TH
36.21	45TH
35.90	40TH
35.58	35TH
35.26	30TH
34.90	25TH
34.52	20TH
34.08	15TH
33.54	10TH
32.78	5TH
32.32	3TH
32.02	2ND
31.61	1ST



SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS	INCHES
30.55 59TH	12.03
29.80 58TH	11.73
29.36 57TH	11.56
28.79 55TH	11.34
27.97 50TH	11.01
27.43 45TH	10.80
27.32 50TH	10.64
26.66 75TH	10.50
26.34 70TH	10.37
26.05 55TH	10.26
25.77 50TH	10.15
25.51 55TH	10.04
25.24 50TH	9.94
24.97 45TH	9.83
24.71 40TH	9.73
24.43 35TH	9.62
24.14 30TH	9.50
23.83 25TH	9.38
23.48 20TH	9.24
23.49 15TH	9.19
22.61 10TH	8.90
21.94 5TH	8.64
21.56 3PC	8.49
21.31 2AC	8.39
20.98 1ST	8.26

49C NECK TO BUSTPOINT

THE DISTANCE FROM THE LATERAL JUNCTURE OF THE NECK AND SHOULDER TO THE BRA TIF MEASURED WITH THE TAPE HELD TENSE & NOT FOLLOWING THE BODY CONTOUR



THE SUMMARY STATISTICS

CENTIMETERS	INCHES
25.28 MEAN	9.95
.66 SE(P)	.02
2.08 ST DEV	.08
.74 SE(SCD)	.02

COEF. OF VARIATION	8.2%
SYMMETRY---VETA I	.20
KURTOSIS---VETA II	3.91

NUMBER OF SUBJECTS 1331

50C AXILLA TO WAIST

THE SURFACE DISTANCE FROM THE ARMPIT TO THE WAIST POINT IN THE MICAAXILLARY LINE

THE SUMMARY STATISTICS

CENTIMETERS	INCHES
23.10 MEAN	9.09
.37 SE(P)	.02
2.52 ST DEV	.09
.45 SE(SCD)	.02

COEF. OF VARIATION	10.9%
SYMMETRY---VETA I	.60
KURTOSIS---VETA II	3.88

NUMBER OF SUBJECTS 1331

THE PERCENTILES

CENTIMETERS	INCHES
26.83 59TH	12.11
26.27 58TH	11.52
26.50 57TH	11.22
27.55 55TH	10.65
25.54 50TH	10.05
24.95 45TH	9.84
24.54 40TH	9.68
24.16 35TH	9.51
23.43 30TH	9.37
23.49 25TH	9.27
23.15 20TH	9.13
22.90 15TH	9.02
22.61 10TH	8.90
22.32 5TH	8.79
22.03 3PC	8.67
21.72 2AC	8.55
21.35 1ST	8.42
21.02 30TH	8.26
20.60 15TH	8.11
20.16 10TH	7.91
19.21 5TH	7.61
18.86 3TH	7.42
18.54 2ND	7.30
18.08 1ST	7.12



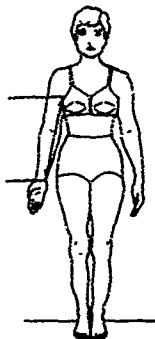
SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS	INCHES
51.65	99TH
50.81	98TH
50.28	97TH
49.56	95TH
48.48	90TH
47.76	85TH
47.21	80TH
46.74	75TH
46.32	70TH
45.94	65TH
45.59	60TH
45.25	55TH
44.92	50TH
44.59	45TH
44.26	40TH
43.93	35TH
43.59	30TH
43.22	25TH
42.81	20TH
42.35	15TH
41.78	10TH
40.96	5TH
40.44	3RD
40.77	2ND
39.48	1ST

51C SLEEVE INSEAM LENGTH

THE DISTANCE FROM THE ANTERIOR EDGE OF THE ARMPIT TO THE LITTLE FINGER SIDE OF THE WRIST MEASURED WITH THE ARM SLIGHTLY ABDUCTED, THE PALM HELD FORWARD, & THE TAPE TENSE



THE SUMMARY STATISTICS

CENTIMETERS	INCHES
45.65	MEAN
0.67	SE(M)
2.61	ST DEV
0.65	SE(SC)

COEF. OF VARIATION	5.5X
SYMMETRY---V-TA I	.23
KURTOSIS---V-TA II	3.04

NUMBER OF SUBJECTS	1331
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52C SLEEVE OUTSEAM LENGTH

THE DISTANCE FROM ACROMIALE TO THE THUMB SIDE OF THE WRIST MEASURED WITH THE ARM SLIGHTLY ABDUCTED, THE PALM HELD FORWARD, & THE TAPE TENSE

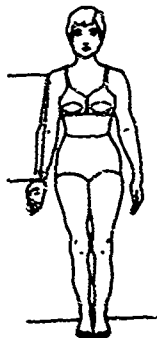
THE PERCENTILES

THE SUMMARY STATISTICS

CENTIMETERS	INCHES
53.89	MEAN
0.88	SE(M)
2.96	ST DEV
0.86	SE(SC)

COEF. OF VARIATION	5.5X
SYMMETRY---V-TA I	.18
KURTOSIS---V-TA II	2.94

NUMBER OF SUBJECTS	1331
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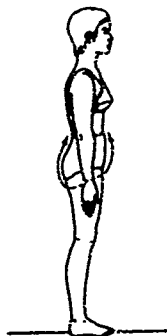
SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

S3C CRCTCH LENGTH

CENTIMETERS		INCHES
85.34	99TH	33.60
83.78	98TH	32.99
82.81	97TH	32.60
81.51	95TH	32.09
79.57	90TH	31.33
78.30	85TH	30.83
77.31	80TH	30.44
76.47	75TH	30.10
75.72	70TH	29.81
75.03	65TH	29.54
74.35	60TH	29.29
73.76	55TH	29.04
73.13	50TH	28.79
72.51	45TH	28.55
71.87	40TH	28.32
71.20	35TH	28.13
70.48	30TH	27.95
69.69	25TH	27.44
68.77	20TH	27.07
67.66	15TH	26.64
66.17	10TH	26.09
63.72	5TH	25.09
61.95	3RD	24.39
60.53	2ND	23.83
58.08	1ST	22.87

THE SURFACE DISTANCE MEASURED FROM THE WAIST DIRECTLY ABOVE THE PROTRUSION OF THE BUTTOCK, OVER THIS PROTRUSION, AND THROUGH THE CROTCH TO THE WAIST LEVEL IN THE MID SAGITTAL PLANE



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
72.93	MEAN	28.71
.15	SE(M)	.06
5.46	ST DEV	2.15
.11	SE(SD)	.04

COEF. OF VARIATION	7.52
SYMMETRY---VETA I	-.29
KURTOSIS---VETA II	4.17

NUMBER OF SUBJECTS	1371
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S4C HEAD CIRCUMFERENCE

THE PERCENTILES

THE MAXIMUM CIRCUMFERENCE OF THE HEAD MEASURED WITH THE TAPE PASSING ABOVE THE EPOCH RIDGES AND NICHOLE

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
54.92	MEAN	21.62
.04	SE(M)	.02
1.66	ST DEV	.64
.03	SE(SD)	.01

COEF. OF VARIATION	3.02
SYMMETRY---VETA I	.28
KURTOSIS---VETA II	2.24

NUMBER OF SUBJECTS	1371
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CENTIMETERS		INCHES
55.75	99TH	23.34
55.61	98TH	23.30
55.23	97TH	22.92
54.74	95TH	22.73
54.59	90TH	22.29
54.25	85TH	22.14
53.96	80TH	22.13
53.71	75TH	21.97
53.46	70TH	21.84
53.27	65TH	21.76
53.06	60TH	21.64
52.86	55TH	21.60
52.66	50TH	21.52
52.46	45TH	21.44
52.26	40TH	21.36
52.04	35TH	21.28
51.81	30TH	21.16
51.59	25TH	21.04
51.36	20TH	20.97
51.12	15TH	20.82
50.88	10TH	20.61
50.63	5TH	20.47
50.38	3RD	20.37
50.13	1ST	20.22

SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS	INCHES
10.06 39TH	6.32
15.84 38TH	6.24
15.71 37TH	6.19
15.55 35TH	6.12
15.31 30TH	6.03
15.16 25TH	5.97
15.04 20TH	5.92
14.95 75TH	5.89
14.87 70TH	5.85
14.79 65TH	5.82
14.72 50TH	5.80
14.66 55TH	5.77
14.59 50TH	5.74
14.53 45TH	5.72
14.46 40TH	5.69
14.39 35TH	5.67
14.32 10TH	5.64
14.25 25TH	5.61
14.17 20TH	5.58
14.07 15TH	5.54
13.94 10TH	5.49
13.76 5TH	5.42
13.64 3RD	5.37
13.55 2ND	5.34
13.41 1ST	5.29

55C HEAD BREADTH

THE MAXIMUM BREADTH OF THE HEAD ABOVE THE LEVEL OF THE EARS



THE SUMMARY STATISTICS

CENTIMETERS	INCHES
14.61 MEAN	5.75
.01 SE (P)	.01
.54 ST DEV	.21
.01 SE (SD)	.00

COEF. OF VARIATION	3.7%
SYMMETRY---VETA I	.26
KURTOSIS---VETA II	3.24

NUMBER OF SUBJECTS 1331

55C HEAD LENGTH

THE PERCENTILES

THE MAXIMUM LENGTH OF THE HEAD FROM THE MOST ANTERIOR POINT BETWEEN THE BROW RIDGES TO THE OCCIPUT

THE SUMMARY STATISTICS

CENTIMETERS	INCHES
18.71 MEAN	7.37
.92 SE (P)	.01
.67 ST DEV	.26
.01 SE (SD)	.01

COEF. OF VARIATION	3.6%
SYMMETRY---VETA I	-.05
KURTOSIS---VETA II	3.24

NUMBER OF SUBJECTS 1331



CENTIMETERS	INCHES
20.25 99TH	7.98
20.11 94TH	7.91
19.98 97TH	7.87
19.81 95TH	7.80
19.40 25TH	7.64
19.25 20TH	7.58
19.15 75TH	7.54
19.05 70TH	7.50
18.95 65TH	7.46
18.87 60TH	7.42
18.75 55TH	7.40
18.71 50TH	7.36
18.62 45TH	7.33
18.54 40TH	7.30
18.46 35TH	7.27
18.37 30TH	7.23
18.27 25TH	7.19
18.16 20TH	7.15
18.03 15TH	7.11
17.87 10TH	7.03
17.61 5TH	6.93
17.43 3TH	6.86
17.30 2ND	6.81
17.07 1ST	6.72

SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS	INCHES
11.16 99TH	4.40
11.01 96TH	4.33
10.91 97TH	4.30
10.78 95TH	4.24
10.57 90TH	4.16
10.43 85TH	4.11
10.32 80TH	4.06
10.23 75TH	4.03
10.15 70TH	4.00
10.07 65TH	3.97
10.00 60TH	3.94
9.93 55TH	3.91
9.87 50TH	3.88
9.80 45TH	3.86
9.73 40TH	3.83
9.66 35TH	3.80
9.59 30TH	3.77
9.52 25TH	3.75
9.43 20TH	3.71
9.34 15TH	3.68
9.22 10TH	3.63
9.15 5TH	3.58
8.95 3RD	3.52
8.67 2ND	3.49
8.75 1ST	3.45

57C PALM LENGTH

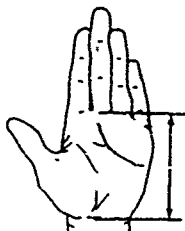
THE DISTANCE FROM THE WRIST CR-LEST TO THE SKIN CREASE AT THE BASE OF THE THIRD FINGER, MEASURED PARALLEL TO THE LONG AXIS OF THE HAND

THE SUMMARY STATISTICS

CENTIMETERS	INCHES
9.68 MEAN	3.84
.61 SE(M)	.21
.52 ST DEV	.21
.61 SE(SC)	.20

COEF. OF VARIATION	6.7%
SYMMETRY---V TA 1	.14
KURTOSIS---V TA 11	2.95

NUMBER OF SUBJECTS	1371
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58C HAND BREADTH

THE BREADTH ACROSS THE DISTAL ENDS OF THE METACARPAL BONES

THE SUMMARY STATISTICS

CENTIMETERS	INCHES
7.62 MEAN	3.00
.61 SE(M)	.20
.39 ST DEV	.15
.61 SE(SC)	.20

COEF. OF VARIATION	5.0%
SYMMETRY---V TA 1	.04
KURTOSIS---V TA 11	2.86

NUMBER OF SUBJECTS	1371
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THE PERCENTILES

CENTIMETERS	INCHES
7.67 99TH	3.02
7.61 96TH	3.00
7.54 97TH	2.99
7.46 95TH	2.97
7.33 90TH	2.92
7.16 80TH	2.81
7.05 75TH	2.78
6.93 70TH	2.74
6.87 65TH	2.72
6.82 60TH	2.71
6.77 55TH	2.69
6.72 50TH	2.68
6.66 45TH	2.66
6.61 40TH	2.65
6.55 35TH	2.63
6.49 30TH	2.59
6.41 25TH	2.52
6.32 20TH	2.48
6.27 15TH	2.47
6.21 10TH	2.44
6.14 5TH	2.40
6.06 3RD	2.39
6.00 2ND	2.37
5.94 1ST	2.34



SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS		INCHES
20.37	95TH	8.02
20.18	98TH	7.95
20.05	97TH	7.90
19.87	95TH	7.82
19.57	90TH	7.70
19.36	85TH	7.62
19.19	80TH	7.55
19.04	75TH	7.49
18.90	70TH	7.44
18.78	65TH	7.39
18.66	60TH	7.35
18.55	55TH	7.30
18.43	50TH	7.26
18.32	45TH	7.21
18.21	40TH	7.17
18.09	35TH	7.12
17.97	30TH	7.08
17.84	25TH	7.02
17.70	20TH	6.97
17.54	15TH	6.90
17.34	10TH	6.83
17.05	5TH	6.71
16.87	3RD	6.64
16.74	2ND	6.59
16.54	1ST	6.51

59C HAND CIRCUMFERENCE

THE CIRCUMFERENCE MEASURED AROUND THE METACARPAL-PHALANGEAL JOINTS

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
18.45	MEAN	7.26
.02	SE(M)	.01
.86	ST DEV	.34
.02	SE(SD)	.01

COEF. OF VARIATION	4.6%
SYMMETRY---VETA I	.08
KURTOSIS---VETA II	2.83

NUMBER OF SUBJECTS 1331



60C HAND LENGTH

THE DISTANCE FROM THE WRIST CREASE TO DACTYLIC MEASURED PARALLEL TO THE LONG AXIS OF THE HAND

THE SUMMARY STATISTICS

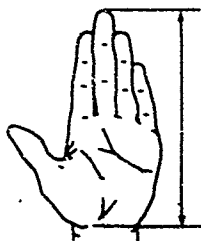
CENTIMETERS		INCHES
17.44	MEAN	6.87
.02	SE(M)	.01
.90	ST DEV	.35
.02	SE(SD)	.01

COEF. OF VARIATION	5.2%
SYMMETRY---VETA I	.25
KURTOSIS---VETA II	2.90

NUMBER OF SUBJECTS 1331

THE PERCENTILES

CENTIMETERS		INCHES
19.65	99TH	7.74
19.43	98TH	7.65
19.27	97TH	7.59
19.04	95TH	7.50
18.41	85TH	7.25
18.21	80TH	7.17
18.04	75TH	7.10
17.89	70TH	7.04
17.75	65TH	6.99
17.62	60TH	6.94
17.50	55TH	6.89
17.38	50TH	6.84
17.27	45TH	6.80
17.16	40TH	6.75
17.04	35TH	6.71
16.92	30TH	6.66
16.80	25TH	6.62
16.67	20TH	6.56
16.52	15TH	6.50
16.32	10TH	6.43
16.06	5TH	6.32
15.87	3TH	6.25
15.72	2ND	6.19
15.46	1ST	6.10



SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS	INCHES
20.36	99TH 8.02
20.83	98TH 7.89
19.82	97TH 7.80
19.55	95TH 7.70
19.14	90TH 7.54
18.88	85TH 7.43
18.67	80TH 7.35
18.40	75TH 7.28
18.34	70TH 7.22
18.27	65TH 7.17
18.07	60TH 7.11
17.94	55TH 7.06
17.82	50TH 7.02
17.73	45TH 6.97
17.67	40TH 6.92
17.45	35TH 6.87
17.32	30TH 6.82
17.17	25TH 6.76
17.02	20TH 6.70
16.84	15TH 6.63
16.61	10TH 6.54
16.28	5TH 6.41
16.17	3RD 6.33
15.92	2ND 6.27
15.63	1ST 6.17

61C INSTEE LENGTH

THE DISTANCE, MEASURED PARALLEL TO THE LONG AXIS OF THE FOOT, FROM THE LEVEL OF THE HEEL TO THE POINT OF MAXIMUM MEDIAL PROTRUSION OF THE FOOT



THE SUMMARY STATISTICS

CENTIMETERS	INCHES
17.05	MEAN 7.53
.03	SEM .01
.49	ST DEV .79
.12	SE(SC) .01

COEF. OF VARIATION	5.7%
SYMMETRY---VLT I	.23
KURTOSIS---VLT II	3.12

NUMBER OF SUBJECTS	1301
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62C FOOT LENGTH

THE LENGTH OF THE FOOT MEASURED PARALLEL TO ITS LONG AXIS

THE SUMMARY STATISTICS

CENTIMETERS	INCHES
24.32	MEAN 9.57
.03	SEM .01
1.25	ST DEV .45
.02	SE(SC) .01

COEF. OF VARIATION	5.1%
SYMMETRY---VLT I	.25
KURTOSIS---VLT II	3.12

NUMBER OF SUBJECTS	1301
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1M. PERCENTILES

CENTIMETERS	INCHES
27.46	99TH 10.81
27.16	98TH 10.69
26.63	97TH 10.50
26.07	95TH 10.42
25.02	90TH 10.22
25.35	85TH 9.96
24.13	80TH 9.46
24.98	75TH 9.32
24.79	70TH 9.25
24.54	65TH 9.17
24.42	60TH 9.12
24.27	55TH 9.05
24.11	50TH 9.00
23.95	45TH 8.94
23.76	40TH 8.87
23.63	35TH 8.82
23.45	30TH 8.77
23.25	25TH 8.71
23.05	20TH 8.65
22.85	15TH 8.59
22.75	10TH 8.54
22.55	5TH 8.48
22.45	3RD 8.43
22.25	2ND 8.37
22.05	1ST 8.31



SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS		INCHES
34.58	99TH	13.61
34.04	98TH	13.40
33.72	97TH	13.27
33.30	95TH	13.11
32.69	90TH	12.87
32.29	85TH	12.71
31.99	80TH	12.59
31.73	75TH	12.49
31.51	70TH	12.40
31.30	65TH	12.32
31.11	60TH	12.25
30.92	55TH	12.17
30.74	50TH	12.10
30.56	45TH	12.03
30.38	40TH	11.96
30.19	35TH	11.89
30.00	30TH	11.81
29.79	25TH	11.73
29.55	20TH	11.64
29.29	15TH	11.53
28.96	10TH	11.40
28.49	5TH	11.21
28.19	3RD	11.10
27.98	2ND	11.02
27.66	1ST	10.89

63C HEEL-ANKLE CIRCUMFERENCE

THE DIAGONAL CIRCUMFERENCE OF THE FOOT MEASURED WITH THE TAPE PASSING UNDER THE TIP OF THE HEEL & OVER THE INSTEP AT THE FOOT-LIG JUNCTION

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
30.79	MEAN	12.12
.04	SE(M)	.02
1.46	ST DEV	.57
.03	SE(SD)	.01

COEF. OF VARIATION	4.7%
SYMMETRY---VETA I	.23
KURTOSIS---VETA II	2.98

NUMBER OF SUBJECTS 1371



64C FOOT BREADTH

THE MAXIMUM BREADTH OF THE FOOT AS MEASURED AT RIGHT ANGLES TO ITS LONG AXIS

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
8.87	MEAN	3.49
.01	SE(M)	.01
.52	ST DEV	.20
.01	SE(SD)	.00

COEF. OF VARIATION	5.8%
SYMMETRY---VETA I	.23
KURTOSIS---VETA II	3.19

NUMBER OF SUBJECTS 1331

THE PERCENTILES

CENTIMETERS		INCHES
10.17	99TH	4.00
9.99	98TH	3.93
9.80	97TH	3.89
9.71	95TH	3.83
9.39	90TH	3.70
9.20	80TH	3.62
9.10	75TH	3.62
9.12	70TH	3.59
9.05	65TH	3.56
8.98	60TH	3.54
8.92	55TH	3.51
8.85	50TH	3.49
8.75	45TH	3.46
8.71	40TH	3.44
8.66	35TH	3.41
8.59	30TH	3.38
8.52	25TH	3.35
8.44	20TH	3.32
8.38	15TH	3.28
8.22	10TH	3.24
8.04	5TH	3.17
7.93	3TH	3.12
7.84	2ND	3.09
7.71	1ST	3.04



SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

65C HEEL BREADTH

THE MAXIMUM BREADTH OF THE CALCANEUS

CENTIMETERS		INCHES
7.17	99TH	2.82
7.03	98TH	2.77
6.94	97TH	2.73
6.92	95TH	2.69
6.64	90TH	2.61
6.52	85TH	2.57
6.43	80TH	2.53
6.35	75TH	2.50
6.28	70TH	2.47
6.22	65TH	2.45
6.16	60TH	2.43
6.11	55TH	2.41
6.06	50TH	2.38
6.01	45TH	2.36
5.96	40TH	2.35
5.91	35TH	2.33
5.85	30TH	2.31
5.81	25TH	2.29
5.74	20TH	2.26
5.67	15TH	2.23
5.59	10TH	2.20
5.46	5TH	2.15
5.38	2ND	2.12
5.32	2ND	2.09
5.22	1ST	2.05



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
6.09	MEAN	2.40
.01	SE(M)	.00
.41	ST DEV	.16
.01	SE(SD)	.00

COEF. OF VARIATION	6.3%
SYMMETRY---VETA I	.37
KURTOSIS---VETA II	3.10

NUMBER OF SUBJECTS	1331
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66C FOOT CIRCUMFERENCE

THE PERCENTILES

THE CIRCUMFERENCE OF THE FOOT AS MEASURED
AROUND THE DISTAL ENDS OF THE METATARSALS
OF THE METATARSAL BONES

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
22.61	MEAN	8.90
.03	SE(M)	.01
1.14	ST DEV	.45
.02	SE(SD)	.01

COEF. OF VARIATION	5.1%
SYMMETRY---VETA I	.22
KURTOSIS---VETA II	3.13

NUMBER OF SUBJECTS	1331
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CENTIMETERS		INCHES
25.57	99TH	10.07
25.14	98TH	9.89
24.86	97TH	9.79
24.53	95TH	9.66
23.76	90TH	9.36
23.54	85TH	9.27
22.75	80TH	9.19
22.16	75TH	9.12
21.02	70TH	9.06
20.97	65TH	9.01
20.71	60TH	8.95
20.53	55TH	8.89
20.45	50TH	8.84
20.30	45TH	8.78
20.15	40TH	8.72
20.00	35TH	8.66
21.02	30TH	8.69
21.03	25TH	8.62
21.42	20TH	8.43
21.14	15TH	8.32
20.70	10TH	8.17
20.00	5TH	7.87
20.00	2ND	7.87
20.00	2ND	7.87
20.00	1ST	7.87

SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS		INCHES
26.77	99TH	10.54
25.31	98TH	10.36
26.03	97TH	10.25
25.67	95TH	10.11
25.13	90TH	9.90
24.79	95TH	9.76
24.52	90TH	9.65
24.29	75TH	9.56
24.10	70TH	9.49
23.91	55TH	9.42
23.75	50TH	9.35
23.58	55TH	9.28
23.42	50TH	9.22
23.27	45TH	9.16
23.11	40TH	9.10
22.95	35TH	9.03
22.78	30TH	8.97
22.60	25TH	8.90
22.40	20TH	8.82
22.17	15TH	8.73
21.93	10TH	8.62
21.50	5TH	8.46
21.26	3RD	8.37
21.08	2ND	8.30
20.83	1ST	8.20

UCC INSTP CIRCUMFERENCE

THE CIRCUMFERENCE OF THE FOOT IN A PLANE
PERPENDICULAR TO THE LONG AXIS OF THE FOOT
AT THE LEVEL OF THE METATARSAL-CUNEIFORM
JOINT

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
23.48	MEAN	9.24
.13	SE(M)	.01
1.26	ST DEV	.50
.02	SE(SD)	.01

COEF. OF VARIATION	5.4%
SYMMETRY---VETA I	.28
KURTOSIS---VETA II	3.81

NUMBER OF SUBJECTS 1331



68C ANKLE HEIGHT

THE PERCENTILES

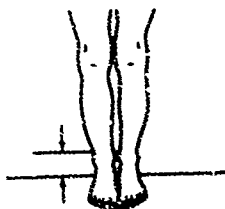
THE HEIGHT OF THE LEVEL OF MINIMUM CIRCUMFERENCE
OF THE ANKLE

THE SUMMARY STATISTICS

CENTIMETERS		INCHES
10.86	MEAN	4.27
.03	SE(M)	.01
1.02	ST DEV	.40
.02	SE(SD)	.01

COEF. OF VARIATION	9.4%
SYMMETRY---VETA I	.33
KURTOSIS---VETA II	3.38

NUMBER OF SUBJECTS 1331



CENTIMETERS		INCHES
13.68	99TH	5.38
13.18	98TH	5.19
12.91	97TH	5.08
12.57	95TH	4.95
11.86	90TH	4.67
11.66	80TH	4.59
11.49	75TH	4.52
11.34	70TH	4.46
11.20	65TH	4.41
11.08	60TH	4.36
10.95	55TH	4.33
10.83	50TH	4.28
10.71	45TH	4.22
10.58	40TH	4.17
10.46	35TH	4.12
10.32	30TH	4.06
10.17	25TH	4.00
10.00	20TH	3.94
9.83	15TH	3.86
9.56	10TH	3.77
9.22	5TH	3.63
9.01	3TH	3.55
8.86	2ND	3.48
8.65	1ST	3.42

SUMMARY STATISTICS FOR CORE MEASUREMENTS

THE PERCENTILES

CENTIMETERS	INCHES
7.75 99TH	3.05
7.57 96TH	2.98
7.47 97TH	2.94
7.34 95TH	2.89
7.14 90TH	2.81
7.01 85TH	2.76
6.91 80TH	2.72
6.53 75TH	2.65
6.75 70TH	2.66
6.68 65TH	2.63
6.61 60TH	2.60
6.54 55TH	2.59
6.48 50TH	2.55
6.47 45TH	2.52
6.30 40TH	2.50
5.27 35TH	2.47
5.19 30TH	2.44
6.10 25TH	2.40
6.11 20TH	2.37
5.90 15TH	2.32
5.75 10TH	2.27
5.55 5TH	2.18
5.41 3RD	2.13
5.32 2ND	2.09
5.17 1ST	2.04

690 SPHYRIUM HEIGHT

THE HEIGHT OF THE MOST DISTAL EXTENSION OF THE TIBIA ON THE INSIDE OF THE FOOT

THE SUMMARY STATISTICS

CENTIMETERS	INCHES
6.46 MEAN	2.54
.11 ST (P)	.01
.54 ST DEV	.21
.12 SE (SD)	.10

COEF. OF VARIATION	4.4%
SYMMETRY---VETA I	-0.94
KURTOSIS---VETA II	3.10

NUMBER OF SUBJECTS	1731
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Chapter IV

STATISTICS FOR SUBSERIES 1: TRADITIONAL ANTHROPOMETRY

The first of the subseries consisted of 24 standard body size measurements and four skinfold measurements. These measurements were made on a subsample of 255 women who are compared, in terms of rank, age, race, stature, and weight, with the total sample in Table 12. As is indicated in this table, the subsample is critically shorter (0.5 centimeters) and lighter (0.7 kilograms) than the total sample.

The 24 body size measurements included in this group were, for the most part, measurements deemed of importance almost equal to that of the core measurements. A number of these measurements were essentially the same as measurements in the core series except that they were made with the body or body segment in a different position--the subject sitting rather than standing or the arm flexed rather than relaxed, for example--or were based on somewhat different landmarks. All 24 were judged to be highly related to measurements in the core series. It is, therefore, possible to adjust the summary statistics for these variables to provide reasonable estimates of the values which would have been obtained had this subseries been measured on the total sample.

Sight of the 24 measurements were standing heights and one a sitting height. These measurements combine with the heights in the core series to provide a total of 19 standing and five sitting heights. Three subseries measurements: acromion-radiale, radiale-cyclior, and elbow-grip lengths, join with shoulder-elbow and elbow-finger-tip lengths to constitute a set of five arm-segment lengths. Four major breadths: bicipital bispinous, abdominal-extension, and thigh-thigh, are added to the four breadths in the core series to describe more fully the widths of the body. Three major circumferences, measured in the core series, were remeasured with the subject sitting rather than standing (hip, vertical trunk) or using a different landmark (waist). Axillary arm circumference complement, in a way, the core measurement of arm girth circumference, as biceps and forearm circumferences, measured with the arm flexed, complement the core circumferences measured with the arm relaxed. Abdominal extension depth and thigh clearance complete the list of the standard measurements in this subseries.

The four skinfold thickness measurements were made using Lange skinfold calipers on triceps, biceps, subscapular, and suprailiac sites. Like all other unilateral measurements, the skinfolds were measured on the right side of the subject.

TABLE 12
CHARACTERISTICS OF TRADITIONAL ANTHROPOMETRY SUBSAMPLE
AND TOTAL SAMPLE

a. <u>Rank</u>	<u>Subsample</u>		<u>Total Series</u>
0-4 to 0-6	8	3%	3%
0-1 to 0-3	91	36%	23%
E-7	3	1%	1%
E-5 & E-6	23	9%	7%
E-3 & E-4	43	17%	20%
E-1 & E-2	87	34%	47%
Total	255	100%	101%
b. <u>Age</u>	<u>Subsample</u>		<u>Total Series</u>
30 and up	36	14%	10%
24 - 30	73	29%	27%
20 - 24	84	33%	34%
17 - 20	62	24%	30%
Total	255	100%	101%
c. <u>Race</u>	<u>Subsample</u>		<u>Total Series</u>
Whites	192	76%	75%*
Blacks	52	21%	23%
Oriental	8	3%	2%
Not Identified	3	—	—
Total	255	100%	100%
* Percentages based on those identified.			
d. <u>Stature</u>	<u>Subsample</u>		<u>Total Series</u>
Mean	162.44	cm	162.95
Standard Deviation	6.43	cm	6.51
e. <u>Weight</u>	<u>Subsample</u>		<u>Total Series</u>
Mean	58.73	kg	59.47
Standard Deviation	8.89	kg	8.62

Subjects were wearing bras and panties for this group of measurements.

The tables given here are essentially the same as those in the previous chapter, except that the listing of the percentiles is restricted to those from the 5th to the 95th. Appendices A and B also contain the frequency distributions and XVAL printout for this subseries.

SUMMARY STATISTICS FOR TRADITIONAL SUBSERIES

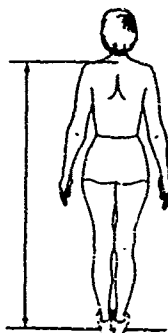
THE PERCENTILES

1T CERVICALE HEIGHT

CENTIMETERS INCHES

THE VERTICAL DISTANCE FROM THE FLOOR TO CERVICAL,
THE TIP OF THE SPINOUS PROCESS OF THE 7TH
CERVICAL VERTEBRA

149.79	5TH	50.47
150.32	5TH	50.60
150.93	5TH	50.65
151.51	5TH	50.70
152.10	5TH	50.75
152.29	5TH	50.81
152.84	5TH	50.87
153.44	5TH	50.96
154.21	5TH	51.09
154.91	5TH	51.12
155.79	5TH	51.24
156.70	5TH	51.34
157.24	5TH	51.43
157.57	5TH	51.48
158.70	5TH	51.55
159.27	5TH	51.60
159.96	5TH	51.64
160.35	5TH	51.68
160.97	5TH	51.77



THE SUMMARY STATISTICS

CENTIMETERS INCHES

150.29	MEAN	50.23
.58	S.D.	.15
5.02	S.E.	2.37
.27	S.E.(SC)	.13

COEFF. OF VARIATION	0.3%
SYMMETRY---TA I	.14
KURTOSIS---TA II	3.35

NUMBER OF SUBJECTS 255

2T SUPRASTERNALE HEIGHT

THE VERTICAL DISTANCE FROM THE FLOOR TO SUPRA-
STERNAL, THE LOWEST POINT OF THE NOTCH
IN THE UPPER EDGE OF THE ESTERONE

THE PERCENTILES

CENTIMETERS INCHES

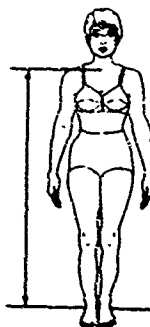
THE SUMMARY STATISTICS

CENTIMETERS INCHES

152.07	MEAN	52.21
.75	S.D.	.34
6.45	S.E.	2.22
.25	S.E.(SC)	.11

COEFF. OF VARIATION	0.3%
SYMMETRY---TA I	.17
KURTOSIS---TA II	3.12

NUMBER OF SUBJECTS 255



SUPMARY STATISTICS FOR TRADITIONAL SUBSERIES

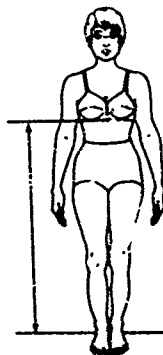
THE PERCENTILES

CENTIMETERS INCHES

122.21	95TH	48.12
120.20	90TH	47.32
118.94	85TH	46.63
117.99	80TH	46.45
117.18	75TH	46.13
116.46	70TH	45.85
115.79	65TH	45.59
115.16	60TH	45.34
114.54	55TH	45.09
113.93	50TH	44.85
113.31	45TH	44.61
112.67	40TH	44.36
112.02	35TH	44.10
111.32	30TH	43.83
110.56	25TH	43.53
109.71	20TH	43.19
108.73	15TH	42.81
107.52	10TH	42.33
105.84	5TH	41.67

3T SUBSTERNAL HEIGHT

THE VERTICAL DISTANCE FROM THE FLOOR TO SUBSTERNAL, THE MIDPOINT OF THE LOWER EDGE OF THE BREAST ECNE



THE SUMMARY STATISTICS

CENTIMETERS INCHES

113.92	MEAN	44.85
.31	SE(M)	.12
4.97	ST DEV	1.96
.22	SE(SD)	.69

COEF. OF VARIATION	4.4%
SYMMETRY---VETA I	.19
KURTOSIS---VETA II	3.06

NUMBER OF SUBJECTS 255

4T ELBOW (RADIAL) HEIGHT

THE VERTICAL DISTANCE FROM THE FLOOR TO RADIAL, THE DEPRESSION BETWEEN THE HUMERUS AND THE RADIUS

THE PERCENTILES

CENTIMETERS INCHES

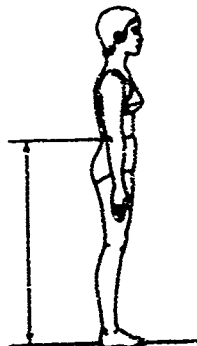
THE SUMMARY STATISTICS

CENTIMETERS INCHES

102.56	MEAN	40.38
.30	SE(M)	.12
4.00	ST DEV	1.85
.21	SE(SD)	.68

COEF. OF VARIATION	4.7%
SYMMETRY---VETA I	.21
KURTOSIS---VETA II	2.86

NUMBER OF SUBJECTS 255



110.60	95TH	43.56
108.04	90TH	42.86
107.65	85TH	42.38
106.68	80TH	42.00
105.86	75TH	41.67
105.15	70TH	41.37
104.39	65TH	41.10
103.72	60TH	40.83
103.02	55TH	40.58
102.44	50TH	40.33
101.81	45TH	40.08
101.12	40TH	39.83
100.52	35TH	39.48
99.85	30TH	39.33
99.12	25TH	39.02
98.33	20TH	38.71
97.44	15TH	38.36
96.37	10TH	37.94
94.94	5TH	37.38

SUMMARY STATISTICS FOR TRADITIONAL SUBSERIES

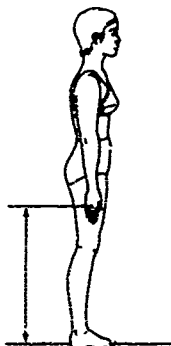
THE PERCENTILES

5TH KNUCKLE HEIGHT

CENTIMETERS INCHES

THE VERTICAL DISTANCE FROM THE FLOOR
TO THE LARGEST KNUCKLE WHERE THE FIRST PHALANX
OF THE MIDDLE FINGER JOINS THE PALM

77.47	95TH	30.50
76.14	90TH	29.92
75.18	85TH	29.60
74.39	80TH	29.29
73.71	75TH	29.02
73.19	70TH	28.73
72.52	65TH	28.45
71.93	60TH	28.34
71.40	55TH	28.13
70.94	50TH	27.93
70.43	45TH	27.73
69.92	40TH	27.53
69.41	35TH	27.32
68.95	30TH	27.11
68.27	25TH	26.68
67.62	20TH	26.62
66.83	15TH	26.33
65.95	10TH	25.97
64.58	5TH	25.43



THE SUMMARY STATISTICS

CENTIMETERS INCHES

70.99	MEAN	27.95
.25	SE (M)	.10
3.97	ST DEV	1.56
.18	SE (SD)	.07

COEF. OF VARIATION	5.6%
SYMMETRY---VETA I	.01
KURTOSIS---VETA II	2.85

NUMBER OF SUBJECTS 255

5TH HIP (TROCHANTERIC) HEIGHT

THE PERCENTILES

THE VERTICAL DISTANCE FROM THE FLOOR
TO TROCHANTERION, THE TIP OF THE LATERAL
PROTUSION OF THE PROXIMAL END OF THE THIGH BONE

CENTIMETERS INCHES

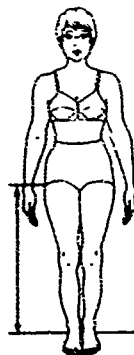
THE SUMMARY STATISTICS

CENTIMETERS INCHES

85.91	MEAN	33.82
.28	SE (M)	.11
4.43	ST DEV	1.74
.28	SE (SD)	.08

COEF. OF VARIATION	5.2%
SYMMETRY---VETA I	.23
KURTOSIS---VETA II	2.59

NUMBER OF SUBJECTS 255



93.16	95TH	36.00
91.57	90TH	35.84
90.45	85TH	35.61
89.50	80TH	35.29
88.87	75TH	34.99
88.20	70TH	34.72
87.58	65TH	34.46
86.95	60TH	34.25
86.41	55TH	34.02
85.84	50TH	33.79
85.26	45TH	33.57
84.67	40TH	33.34
84.08	35TH	33.10
83.43	30TH	32.84
82.74	25TH	32.57
81.96	20TH	32.29
81.13	15TH	31.96
80.24	10TH	31.53
79.24	5TH	31.00

SUMMARY STATISTICS FOR TRADITIONAL SUBSERIES

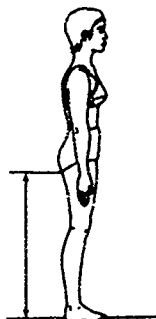
THE PERCENTILES

CENTIMETERS INCHES

61.02	95TH	31.90
75.29	90TH	31.22
78.18	85TH	30.78
77.33	80TH	30.45
76.62	75TH	30.16
76.09	70TH	29.92
75.43	65TH	29.70
74.90	60TH	29.49
74.40	55TH	29.29
73.91	50TH	29.10
73.43	45TH	28.91
72.94	40TH	28.72
72.45	35TH	28.52
71.93	30TH	28.32
71.38	25TH	28.10
70.77	20TH	27.86
70.07	15TH	27.59
69.20	10TH	27.24
67.92	5TH	26.74

77 GLUTEAL FURROW HEIGHT

THE VERTICAL DISTANCE FROM THE FLOOR TO THE FURROW WHERE THE GLUTEAL CURVE INTERSECTS THE BACK OF THE THIGH



THE SUMMARY STATISTICS

CENTIMETERS INCHES

74.13	MEAN	29.18
.25	SE(M)	.10
4.06	ST DEV	1.60
.18	SE(SC)	.07

COEF. OF VARIATION	5.5%
SYMMETRY---VETA I	.3%
KURTOSIS---VETA II	3.27

NUMBER OF SUBJECTS 255

87 TIBIALE HEIGHT

THE VERTICAL DISTANCE FROM THE FLOOR TO THE PROXIMAL FEMORAL FORK OF THE SHIN BONE

THE PERCENTILES

CENTIMETERS INCHES

THE SUMMARY STATISTICS

CENTIMETERS INCHES

44.05	MEAN	17.34
.15	SE(M)	.06
2.47	ST DEV	.07
.11	SE(SC)	.04

COEF. OF VARIATION	5.6%
SYMMETRY---VETA I	.1%
KURTOSIS---VETA II	3.02

NUMBER OF SUBJECTS 255



48.23	95TH	18.99
47.15	90TH	18.58
46.54	85TH	18.32
46.05	80TH	18.13
45.64	75TH	17.97
45.27	70TH	17.82
44.93	65TH	17.69
44.62	60TH	17.56
44.31	55TH	17.44
44.00	50TH	17.32
43.70	45TH	17.20
43.39	40TH	17.08
43.07	35TH	16.96
42.72	30TH	16.82
42.36	25TH	16.68
41.94	20TH	16.51
41.46	15TH	16.32
40.86	10TH	16.09
40.00	5TH	15.75

SUMMARY STATISTICS FOR TRADITIONAL SUBSERIES

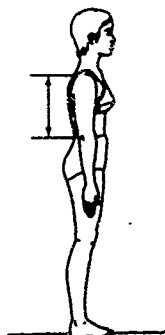
THE PERCENTILES

CENTIMETERS INCHES

37.43	95TH	13.16
32.60	90TH	12.91
32.42	85TH	12.76
32.13	80TH	12.65
31.48	75TH	12.55
31.67	70TH	12.47
31.46	65TH	12.39
31.27	60TH	12.31
31.07	55TH	12.23
30.87	50TH	12.16
30.67	45TH	12.08
30.47	40TH	11.99
30.24	35TH	11.91
30.01	30TH	11.81
29.75	25TH	11.71
29.45	20TH	11.59
29.19	15TH	11.46
28.67	10TH	11.25
26.07	5TH	11.05

9T ACROMION-RADIALE LENGTH

THE DISTANCE, PARALLEL TO THE AXIS OF THE UPPER ARM, FROM THE TIP OF THE SHOULDER BLADE TO THE UPPERMOST POINT OF THE RADIUS



THE SUMMARY STATISTICS

CENTIMETERS INCHES

31.25	MEAN	12.14
.10	SE(M)	.04
1.67	ST DEV	.66
.07	SE(SD)	.03

COEF. OF VARIATION	5.4%
SYMMETRY---VETA I	.28
KURTOSIS---VETA II	3.5-

NUMBER OF SUBJECTS 255

10T RADIALE-STYLIUM LENGTH

THE DISTANCE, PARALLEL TO THE AXIS OF THE FOREARM, FROM THE UPPERMOST POINT OF THE RADIUS TO THE MOST DISTAL POINT OF THE STYLOID PROCESS OF THE RADIUS

THE PERCENTILES

CENTIMETERS INCHES

THE SUMMARY STATISTICS

CENTIMETERS INCHES

24.37	MEAN	9.64
.09	SE(M)	.04
1.47	ST DEV	.58
.07	SE(SD)	.03

COEF. OF VARIATION	6.0%
SYMMETRY---VETA I	.39
KURTOSIS---VETA II	3.16

NUMBER OF SUBJECTS 255



SUMMARY STATISTICS FOR TRADITIONAL SUBSERIES

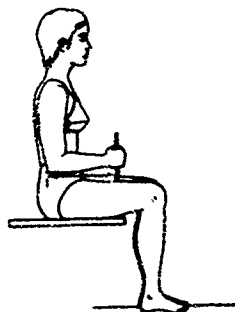
THE PERCENTILES

11T ELBOW GRIP LENGTH

CENTIMETERS INCHES

35.43	95TH	13.95
34.64	90TH	13.64
34.12	85TH	13.43
33.71	80TH	13.27
33.37	75TH	13.14
33.07	70TH	13.12
32.81	65TH	12.92
32.56	60TH	12.82
32.33	55TH	12.73
32.11	50TH	12.64
31.83	45TH	12.56
31.68	40TH	12.47
31.47	35TH	12.39
31.26	30TH	12.31
31.03	25TH	12.22
30.78	20TH	12.12
30.49	15TH	12.01
30.14	10TH	11.87
29.59	5TH	11.65

THE DISTANCE PARALLEL TO THE AXIS OF THE FOREARM FROM THE TIP OF THE ELBOW TO THE MIDPOINT OF THE FIRST METACARPAL WITH THE UPPER ARM HANGING RELAXED, THE FOREARM EXTENDED FORWARD, AND THE HAND GRASPING THE FIXED BLADE OF A BEAM CALIPER



THE SUMMARY STATISTICS

CENTIMETERS INCHES

32.25	MEAN	12.70
.11	SE(M)	.04
1.76	ST DEV	.69
.08	SE(SC)	.03

COEFF. OF VARIATION	5.5%
SYMMETRY---VETA I	.37
KURTOSIS---VETA II	3.16

NUMBER OF SUBJECTS 255

12T ELBOW REST HEIGHT

THE PERCENTILES

THE VERTICAL DISTANCE FROM THE SITTING SURFACE TO THE BOTTOM OF THE ELBOW, MEASURED WITH THE UPPER ARM HANGING RELAXED, THE FOREARM EXTENDED HORIZONTALLY

CENTIMETERS INCHES

THE SUMMARY STATISTICS

CENTIMETERS INCHES

27.73	MEAN	8.16
.17	SE(M)	.07
2.74	ST DEV	1.08
.12	SE(SC)	.05

COEFF. OF VARIATION	13.2%
SYMMETRY---VETA I	-.18
KURTOSIS---VETA II	3.66

NUMBER OF SUBJECTS 255



25.04	95TH	9.86
24.13	90TH	9.50
23.52	85TH	9.24
23.04	80TH	9.07
22.62	75TH	8.91
22.24	70TH	8.75
21.88	65TH	8.61
21.52	60TH	8.47
21.14	55TH	8.34
20.64	50TH	8.20
20.48	45TH	8.06
20.12	40TH	7.92
19.74	35TH	7.77
19.34	30TH	7.61
18.88	25TH	7.44
18.46	20TH	7.24
17.82	15TH	7.02
17.11	10TH	6.74
16.52	5TH	6.35

SUMMARY STATISTICS FOR TRADITIONAL SUBSERIES

THE PERCENTILES

13Y THIGH CLEARANCE

CENTIMETERS INCHES

THE VERTICAL DISTANCE FROM THE SITTING SURFACE TO
THE TOP OF THE THIGH AT ITS JUNCTION WITH
THE ABDOMEN

17.51	95TH	6.85
16.93	90TH	6.68
16.66	85TH	6.56
16.43	80TH	6.47
16.23	75TH	6.39
16.06	70TH	6.32
15.89	65TH	6.26
15.74	60TH	6.20
15.59	55TH	6.14
15.44	50TH	6.08
15.28	45TH	6.02
15.12	40TH	5.95
14.95	35TH	5.89
14.76	30TH	5.81
14.56	25TH	5.73
14.33	20TH	5.64
14.06	15TH	5.53
13.71	10TH	5.40
13.22	5TH	5.21



THE SUMMARY STATISTICS

CENTIMETERS INCHES

15.41	MEAN	6.07
.08	SE (M)	.33
1.31	ST DEV	.52
.06	SE (SD)	.02

COEF. OF VARIATION	8.52
SYMMETRY---VETA I	.18
KURTOSIS---VETA II	3.32

NUMBER OF SUBJECTS 255

14Y ABDOMINAL EXTENSION CFTH/SIT

THE PERCENTILES

THE ANTERIOR-POSTERIOR DEPTH OF THE TORSO AT
THE LEVEL OF THE MOST PROTRUDING POINT OF
THE ABDOMEN

CENTIMETERS INCHES

THE SUMMARY STATISTICS

CENTIMETERS INCHES

21.91	MEAN	8.63
.16	SE (M)	.06
2.59	ST DEV	1.02
.11	SE (SD)	.05

COEF. OF VARIATION	11.82
SYMMETRY---VETA I	1.09
KURTOSIS---VETA II	4.72

NUMBER OF SUBJECTS 255



26.94	95TH	10.61
25.32	90TH	9.97
24.41	85TH	9.61
23.75	80TH	9.35
23.24	75TH	9.15
22.81	70TH	8.98
22.44	65TH	8.84
22.11	60TH	8.70
21.87	55TH	8.58
21.51	50TH	8.47
21.22	45TH	8.36
20.95	40TH	8.25
20.68	35TH	8.14
20.35	30TH	8.02
20.10	25TH	7.91
19.78	20TH	7.79
19.42	15TH	7.65
19.05	10TH	7.48
18.42	5TH	7.25

SUMMARY STATISTICS FOR TRADITIONAL SUBSERIES

THE PERCENTILES

15TH BISPINOUS BREATH

CENTIMETERS INCHES

THE HORIZONTAL DISTANCE BETWEEN THE ANTERIOR-SUPERIOR ILIAC SPINES

27.45	95TH	10.84
26.31	90TH	10.36
25.57	85TH	10.07
25.02	80TH	9.85
24.57	75TH	9.68
24.19	70TH	9.53
23.86	65TH	9.39
23.56	60TH	9.27
23.29	55TH	9.17
23.02	50TH	9.06
22.77	45TH	8.96
22.53	40TH	8.87
22.29	35TH	8.78
22.05	30TH	8.68
21.79	25TH	8.58
21.52	20TH	8.47
21.20	15TH	8.35
20.79	10TH	8.15
20.11	5TH	7.92



THE SUMMARY STATISTICS

CENTIMETERS INCHES

23.27	MEAN	9.16
.14	SE(M)	.05
2.20	ST DEV	.87
.10	SE(SD)	.04

COEF. OF VARIATION	9.52
SYMMETRY---VETA I	.51
KURTOSIS---VETA II	3.57

NUMBER OF SUBJECTS 255

16TH BIACROMIAL BREADTH

THE PERCENTILES

THE HORIZONTAL DISTANCE BETWEEN THE LATERAL EDGES OF THE ACROMIAL PROCESSES OF THE SHOULDERS

CENTIMETERS INCHES

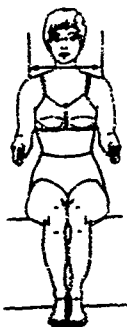
THE SUMMARY STATISTICS

CENTIMETERS INCHES

35.71	MEAN	14.08
.10	SE(M)	.04
1.61	ST DEV	.82
.07	SE(SD)	.03

COEF. OF VARIATION	4.52
SYMMETRY---VETA I	-.68
KURTOSIS---VETA II	2.97

NUMBER OF SUBJECTS 255



38.74	95TH	15.09
37.75	90TH	14.80
37.36	85TH	14.71
37.08	80TH	14.59
36.81	75TH	14.49
36.56	70TH	14.40
36.31	65TH	14.31
36.10	60TH	14.27
35.91	55TH	14.15
35.73	50TH	14.07
35.52	45TH	13.99
35.31	40TH	13.90
35.11	35TH	13.82
34.96	30TH	13.73
34.81	25TH	13.63
34.61	20TH	13.52
34.41	15TH	13.34
33.81	10TH	13.27
33.04	5TH	13.01

SUMMARY STATISTICS FOR TRADITIONAL SUNSERIES

THE PERCENTILES

171 ABDOMINAL EXT'N BROTH, SIT

CENTIMETERS INCHES

THE HORIZONTAL BREADTH OF THE THUNK AT THE LEVEL
OF THE MAXIMUM PROTRUSION OF THE ABDOMEN

35.41	95TH	13.94
34.04	90TH	13.40
33.14	85TH	13.05
32.44	80TH	12.77
31.85	75TH	12.54
31.34	70TH	12.34
30.38	65TH	12.16
29.46	60TH	11.95
28.06	55TH	11.84
29.68	50TH	11.69
29.32	45TH	11.54
28.96	40TH	11.40
28.60	35TH	11.26
28.23	30TH	11.11
27.84	25TH	10.96
27.43	20TH	10.80
26.97	15TH	10.62
26.40	10TH	10.40
25.58	5TH	10.07



THE SUMMARY STATISTICS

CENTIMETERS INCHES

29.46	MEAN	11.80
.19	SE(M)	.07
2.99	ST DEV	1.18
.13	SE(SD)	.05

COEF. OF VARIATION	10.0%
SYMMETRY---VETA I	.41
KURTOSIS---VETA II	7.06

NUMBER OF SUBJECTS 255

181 THIGH-TO-THIGH BREADTH/SIT

THE PERCENTILES

THE MAXIMUM HORIZONTAL DISTANCE ACROSS THE THICKS
MEASURED WITH THE SUBJECT SITTING ERCT, HER
THIGHS PARALLEL & COMPLETELY SUPPORTED BY THE SIT-
TING SURFACE

CENTIMETERS INCHES

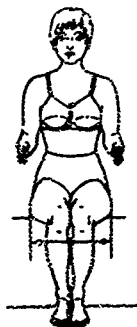
THE SUMMARY STATISTICS

CENTIMETERS INCHES

38.27	MEAN	15.07
.20	SE(M)	.08
3.27	ST DEV	1.29
.14	SE(SD)	.06

COEF. OF VARIATION	8.5%
SYMMETRY---VETA I	.25
KURTOSIS---VETA II	3.80

NUMBER OF SUBJECTS 255



43.86	95TH	17.27
42.47	90TH	16.72
41.60	85TH	16.38
40.94	80TH	16.12
40.29	75TH	15.97
39.85	70TH	15.71
39.40	65TH	15.52
39.00	60TH	15.36
38.59	55TH	15.19
38.18	50TH	15.03
37.76	45TH	14.87
37.34	40TH	14.71
36.91	35TH	14.52
36.45	30TH	14.36
35.95	25TH	14.18
35.40	20TH	13.94
34.77	15TH	13.69
34.81	10TH	13.39
32.90	5TH	12.99

SUMMARY STATISTICS FOR TRADITIONAL SUBSERIES

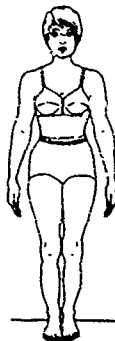
THE PERCENTILES

1ST WAIST CIRCUMFERENCE (CMPHALZGH)

CENTIMETERS INCHES

THE HORIZONTAL CIRCUMFERENCE OF THE WAIST AT THE
LEVEL OF THE MIDPOINT OF THE NAVEL

97.94	95TH	35.80
87.68	90TH	34.28
84.53	85TH	33.28
82.58	80TH	32.51
80.94	75TH	31.87
79.54	70TH	31.31
78.28	65TH	30.82
77.14	60TH	30.37
76.07	55TH	29.95
75.37	50TH	29.55
74.10	45TH	29.17
73.17	40TH	28.81
72.25	35TH	28.45
71.34	30TH	28.08
70.40	25TH	27.72
69.42	20TH	27.33
68.38	15TH	26.92
67.16	10TH	26.44
65.52	5TH	25.80



THE SUMMARY STATISTICS

CENTIMETERS INCHES

76.21	MEAN	30.01
.49	SE(P)	.19
7.89	ST DEV	3.10
.35	SE(SC)	.44

COEF. OF VARIATION 10.4%
SYMMETRY---VETA I .05
KURTOSIS---VETA II 4.09

NUMBER OF SUBJECTS 252

2ND HIP CIRCUMFERENCE, SITTING

THE PERCENTILES

THE CIRCUMFERENCE OF THE BUTTOCKS MEASURED WITH
A TAPE CROWN AS FAR FORWARD AS POSSIBLE UNDER
THE SUBJECT'S BUTTOCKS & BROUGHT DIAGONALLY
ACROSS HER LAP AT THE LEVEL OF THE THIGH-TRUNK
INTERSECTION

CENTIMETERS INCHES

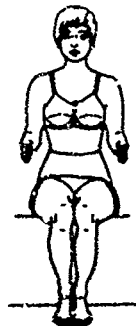
THE SUMMARY STATISTICS

CENTIMETERS INCHES

98.10	MEAN	38.62
.43	SE(P)	.17
6.83	ST DEV	2.69
.30	SE(SC)	.12

COEF. OF VARIATION 7.0%
SYMMETRY---VETA I .45
KURTOSIS---VETA II 3.48

NUMBER OF SUBJECTS 235



109.73	95TH	43.22
108.49	90TH	42.08
105.03	85TH	41.35
103.61	80TH	40.74
102.35	75TH	40.31
101.33	70TH	39.89
100.75	65TH	39.51
99.44	60TH	39.15
98.56	55TH	38.80
97.70	50TH	38.47
96.85	45TH	38.13
96.01	40TH	37.80
95.13	35TH	37.45
94.23	30TH	37.10
93.27	25TH	36.72
92.22	20TH	36.31
91.04	15TH	35.84
89.62	10TH	35.29
87.72	5TH	34.54

SUMMARY STATISTICS FOR T4ADDITIONAL SUBSERIES

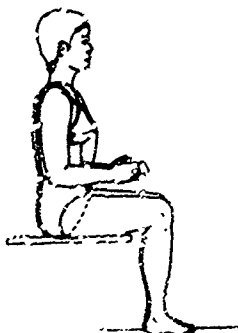
THE PERCENTILES

CENTIMETERS INCHES

158.68	95TH	62.45
155.94	90TH	61.38
154.09	85TH	60.67
152.64	80TH	60.09
151.37	75TH	59.50
150.24	70TH	59.15
149.23	65TH	58.74
148.20	60TH	58.35
147.24	55TH	57.97
146.29	50TH	57.59
145.34	45TH	57.22
144.3A	40TH	56.84
143.42	35TH	56.46
142.37	30TH	56.05
141.27	25TH	55.62
140.06	20TH	55.14
138.70	15TH	54.60
137.05	10TH	53.96
134.62	5TH	53.58

121 VERTICAL TRUNK CIRC, SIT.

THE TORSO CIRCUMFERENCE MEASURED AS THE SUBJECT SITS WITH HER TORSO UPRIGHT & ARMS RELAXED WITH THE TAPE PASSING BETWEEN THE LEGS, OVER THE BUTTOCK, MIDSCAPULA & THE TIP OF THE BRA, THE TAPE FOLLOWS THE POSTERIOR, BUT NOT THE ANTERIOR, BODY CONTOUR



THE SUMMARY STATISTICS

CENTIMETERS INCHES

146.44	MEAN	57.65
.45	SE(X)	.18
.26	ST DEV	2.36
.32	SE(SC)	.17

COEF. OF VARIATION	5.8%
SYMMETRY---VTA 1	.12
KURTOSIS---VTA 11	2.07

NUMBER OF SUBJECTS 255

221 AXILLARY ARM CIRCUMFERENCE

THE CIRCUMFERENCE OF THE UPPER ARM AT ARMHOLE LEVEL MEASURED IN A PLANE PERPENDICULAR TO THE LONG AXIS OF THE ARM

THE PERCENTILES

CENTIMETERS INCHES

THE SUMMARY STATISTICS

CENTIMETERS INCHES

27.63	MEAN	10.80
.16	SE(X)	.06
2.59	ST DEV	1.02
.11	SE(SC)	.05

COEF. OF VARIATION	9.4%
SYMMETRY---VTA 7	.43
KURTOSIS---VTA 17	1.29

NUMBER OF SUBJECTS 255



28.32	95TH	12.67
31.54	90TH	12.22
30.31	85TH	11.97
29.76	80TH	11.72
29.24	75TH	11.53
28.82	70TH	11.37
28.51	65TH	11.23
28.17	60TH	11.09
27.82	55TH	10.98
27.57	50TH	10.83
27.16	45TH	10.70
26.66	40TH	10.57
26.51	35TH	10.44
26.16	30TH	10.30
25.79	25TH	10.15
25.37	20TH	9.99
24.91	15TH	9.81
24.30	10TH	9.60
22.02	5TH	9.30

SUMMARY STATISTICS FOR ADDITIONAL SUBSERIES

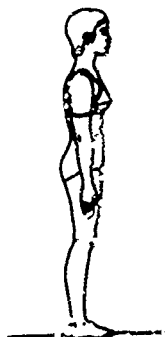
THE PERCENTILES

20T BICEPS CIRCUMFERENCE, RELAXED

CENTIMETERS INCHES

THE CIRCUMFERENCE OF THE ARM AT THE BICEPS LEVEL
MEASURED IN A PLANE PERPENDICULAR TO THE LONG AXIS
OF THE UPPER ARM

30.29	95TH	11.92
28.00	90TH	11.35
26.19	85TH	11.10
27.25	80TH	10.92
27.37	75TH	10.77
27.97	70TH	10.66
26.79	65TH	10.55
26.47	60TH	10.42
23.11	55TH	10.22
25.88	50TH	10.19
25.65	45TH	10.10
25.40	40TH	10.10
25.02	35TH	9.89
24.53	30TH	9.86
24.11	25TH	9.19
23.68	20TH	9.32
23.24	15TH	9.15
22.41	10TH	8.82
21.54	5TH	7.48



THE SUMMARY STATISTICS

CENTIMETERS INCHES

25.89	MEAN	10.19
.16	SE(M)	.06
2.56	ST DEV	1.01
.12	SLAND.	.04

COEF. OF VARIATION	3.9%
SYMMETRY---BETA I	.43
KURTOSIS---BETA II	3.57

NUMBER OF SUBJECTS 255

20T FOREARM CIRCUMFERENCE, RELAXED

THE PERCENTILES

THE MAXIMUM CIRCUMFERENCE OF THE LOWER ARM AS
MEASURED IN A PLANE PERPENDICULAR TO ITS LONG
AXIS

CENTIMETERS INCHES

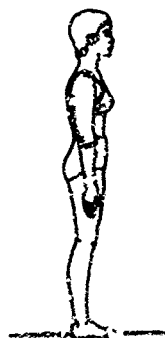
THE SUMMARY STATISTICS

CENTIMETERS INCHES

33.20	MEAN	9.16
.09	SE(M)	.04
1.50	ST DEV	.59
.07	SLAND.	.03

COEF. OF VARIATION	6.4%
SYMMETRY---BETA I	.44
KURTOSIS---BETA II	3.13

NUMBER OF SUBJECTS 255



25.91	95TH	10.22
25.29	90TH	9.96
24.87	85TH	9.78
24.23	80TH	9.66
24.27	75TH	9.55
23.62	70TH	9.30
23.76	65TH	9.37
23.66	60TH	9.25
21.37	55TH	9.16
21.17	50TH	9.12
22.98	45TH	9.01
22.72	40TH	8.97
22.55	35TH	8.69
22.32	30TH	8.81
22.17	25TH	8.73
21.94	20TH	8.64
21.65	15TH	8.54
21.39	10TH	8.42
21.06	5TH	8.27

SUMMARY STATISTICS FOR TRADITIONAL SUBSERIES

THE PERCENTILES

2ST SUBSCAPULAR SKINFOLD

CENTIMETERS INCHES

THE THICKNESS OF A SKINFOLD PICKED UP JUST BELOW THE INFERIOR ANGLE OF SCAPULA & PARALLEL TO THE TENSION LINES OF THE SKIN

2.79	95TH	1.06
2.44	90TH	.96
1.99	85TH	.78
1.82	80TH	.72
1.66	75TH	.65
1.58	70TH	.62
1.50	65TH	.59
1.39	60TH	.55
1.31	55TH	.51
1.24	50TH	.49
1.19	45TH	.47
1.13	40TH	.45
1.08	35TH	.42
1.02	30TH	.40
.96	25TH	.38
.90	20TH	.35
.83	15TH	.33
.75	10TH	.29
.67	5TH	.26



THE SUMMARY STATISTICS

CENTIMETERS INCHES

1.40	MEAN	.55
.04	SE(M)	.02
.61	ST DEV	.24
.03	SE(SD)	.01

COEF. OF VARIATION	43.3%
SYMMETRY---VETA I	1.08
KURTOSIS---VETA II	3.60

NUMBER OF SUBJECTS 255

2ST TRICEPS SKINFOLD

THE PERCENTILES

THE THICKNESS OF A SKINFOLD PICKED UP ON THE BACK OF THE UPPER ARM & PARALLEL TO ITS LONG AXIS AT THE LEVEL WHICH, WHEN THE ELBOW WAS FLEXED, WAS MIDWAY BETWEEN ACROMION & THE TIP OF THE ELBOW

CENTIMETERS INCHES

THE SUMMARY STATISTICS

CENTIMETERS INCHES

1.74	MEAN	.69
.03	SE(M)	.01
.58	ST DEV	.20
.02	SE(SD)	.01

COEF. OF VARIATION	28.8%
SYMMETRY---VETA I	.39
KURTOSIS---VETA II	3.36

NUMBER OF SUBJECTS 255



SUMMARY STATISTICS FOR TRADITIONAL SUBSERIES

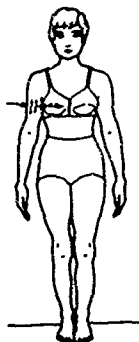
THE PERCENTILES

27T BICEPS SKINFOLD

CENTIMETERS INCHES

THE THICKNESS OF A SKINFOLD PICKED UP PARALLEL TO THE AXIS OF THE UPPER ARM AT THE BICEPS LEVEL

1.52	95TH	.60
1.33	90TH	.53
1.25	85TH	.49
1.18	80TH	.46
1.10	75TH	.43
1.03	70TH	.41
.99	65TH	.39
.94	60TH	.37
.87	55TH	.34
.77	50TH	.30
.72	45TH	.28
.69	40TH	.27
.66	35TH	.26
.61	30TH	.24
.56	25TH	.22
.48	20TH	.19
.42	15TH	.16
.36	10TH	.14
.30	5TH	.12



THE SUMMARY STATISTICS

CENTIMETERS INCHES

.84	MEAN	.33
.02	SE(M)	.01
.78	ST DEV	.10
.02	SE(SD)	.01

COEF. OF VARIATION 45.4%
SYMMETRY---V. TA I .61
KURTOSIS---V. TA II 3.21

NUMBER OF SUBJECTS 255

26T SUPRAILIAC SKINFOLD

THE PERCENTILES

THE THICKNESS OF A SKINFOLD PICKED UP IN THE RIGHT MIDAXILLARY LINE AT THE LEVEL OF THE CREST OF THE ILIUM & FOLLOWING THE BORDER OF THE CREST

CENTIMETERS INCHES

THE SUMMARY STATISTICS

CENTIMETERS INCHES

1.60	MEAN	.66
.04	SE(M)	.02
.71	ST DEV	.28
.03	SE(SD)	.01

COEF. OF VARIATION 42.7%
SYMMETRY---V. TA I .50
KURTOSIS---V. TA II 3.05

NUMBER OF SUBJECTS 254



2.95	95TH	1.18
2.66	90TH	1.05
2.44	85TH	.96
2.27	80TH	.87
2.12	75TH	.84
2.00	70TH	.79
1.88	65TH	.74
1.78	60TH	.70
1.66	55TH	.66
1.59	50TH	.63
1.50	45TH	.59
1.41	40TH	.56
1.33	35TH	.52
1.24	30TH	.49
1.15	25TH	.45
1.06	20TH	.42
.95	15TH	.38
.82	10TH	.34
.65	5TH	.27

Chapter V

STATISTICS FOR SUBSERIES 2: THE WORKSPACE MEASUREMENTS

The workspace subseries consisted of 14 measurements closely patterned on the measurements made by Milton Alexander and C. E. Clauser (1965) in their Air Force study of the anthropometry of common working positions of male missile workers (The Anthropometry of Common Working Positions, AMRL-TR-65-73, Aerospace Medical Research Laboratory, Wright-Patterson Air Force Base, Ohio, 1965). The present study, based on 530 subjects, would appear to be the first reporting of measurements of this general type on women in the U. S. military services.

For these measurements the subjects wore their normal indoor clothing. For most subjects this clothing included fatigues and boots, although 51 subjects (all but one of those measured at Walter Reed Medical Center) were measured while wearing slacks and shoes. The subjects wearing fatigues and boots weighed roughly 5 kilograms more than their essentially nude weights; the subjects in slacks and shoes increased their weights about 2 kilograms. Both boots and shoes added approximately 3.5 centimeters to the measured stature.

This subseries, as has been described in the discussion of survey methodology and measuring techniques, made extensive use of graph paper attached to a wall and to the floor and required a corner in which the subject could stand with her back against one wall and her arm extended along a second wall at right angles to the first one. At one of the measuring sites (Fort Sam Houston), no such corners existed in the building assigned to the survey. As a consequence, no measurements of this subseries were made there. At Walter Reed Medical Center, the floor of the measuring room was carpeted and a piece of standard size plywood was used as the "floor" for these measurements.

A comparison of the subsample on which these measurements were made with the total sample in terms of rank, age, race, stature, and weight is given in Table 13.

The tables in this chapter follow the pattern of those in the two previous chapters. Frequency distributions for these data are in Appendix A and their 95% percentiles in Appendix B.

TABLE 13

CHARACTERISTICS OF WORKSPACE SUBSAMPLE AND TOTAL SAMPLE

a. Rank	<u>Subsample</u>		<u>Total Series</u>
0-4 to 0-6	2	1%	3%
0-1 to 0-3	46	16%	23%
E-7	1	0%	1%
E-5 & E-6	17	6%	7%
E-3 & E-4	66	22%	20%
E-1 & E-2	164	55%	47%
Total	296*	100%	101%
b. Age	<u>Subsample</u>		<u>Total Series</u>
30 and up	19	6%	10%
24 - 30	72	24%	27%
20 - 24	95	32%	34%
17 - 20	110	37%	30%
Total	296*	99%	101%
c. Race	<u>Subsample</u>		<u>Total Series</u>
Whites	219	75%	75% [†]
Blacks	72	25%	23%
Oriental	2	1%	2%
Not Identified	3		
Total	296*	101%	100%
d. Stature	<u>Subsample</u>		<u>Total Series</u>
Mean	163.63 cm		162.85 cm
Standard Deviation	6.67 cm		6.51 cm
e. Weight	<u>Subsample</u>		<u>Total Series</u>
Mean	59.29 kg		59.47 kg
Standard Deviation	7.87 kg		8.62 kg

* Background data not available for four subjects in this subsample.

† Percentages based on those identified.

SUMMARY STATISTICS FOR WORKSPACE SUBSERIES

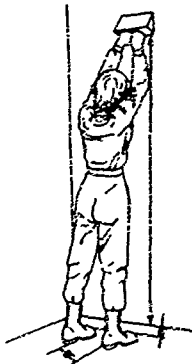
THE PERCENTILES

CENTIMETERS INCHES

215.06	95TH	54.67
211.47	90TH	53.26
208.87	85TH	52.23
206.81	80TH	51.42
205.04	75TH	49.73
203.51	70TH	49.12
202.13	65TH	49.30
200.86	60TH	49.00
199.68	55TH	48.82
198.56	50TH	48.17
197.48	45TH	47.75
196.43	40TH	47.33
195.38	35TH	46.92
194.31	30TH	46.50
193.19	25TH	46.06
191.95	20TH	45.57
190.50	15TH	45.00
188.58	10TH	44.24
185.29	5TH	42.95

1M OVERHEAD REACH HEIGHT

THE VERTICAL DISTANCE FROM THE FLOOR TO THE HIGHEST POINT ON THE 1ST PHALANXES WHEN THE SUBJECT STANDS 6 IN FROM THE WALL, HER ARMS EXTENDED OVERHEAD, FISTS TOGETHER & AGAINST THE WALL AND THE 1ST PHALANXES HORIZONTAL



THE SUMMARY STATISTICS

CENTIMETERS INCHES

195.18	MEAN	78.42
.52	SE(M)	.21
5.14	ST DEV	3.56
.37	SE(SD)	.15

COEF. OF VARIATION	4.52
SYMMETRY---VETA I	.10
KURTOSIS---VETA II	2.26

NUMBER OF SUBJECTS 300

2M FUNCTIONAL REACH

THE HORIZONTAL DISTANCE FROM THE WALL TO THE TIP OF THE THUMB MEASURED WITH THE SUBJECT'S BACK AGAINST THE WALL, HER ARM HORIZONTAL, AND THE TIP OF THE INDEX FINGER TOUCHING THE PAD OF THE THUMB

THE SUMMARY STATISTICS

CENTIMETERS INCHES

71.17	MEAN	28.02
.26	SE(M)	.10
4.53	ST DEV	1.70
.18	SE(SD)	.07

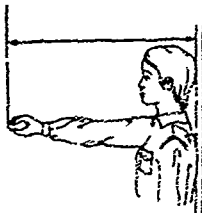
COEF. OF VARIATION	6.42
SYMMETRY---VETA I	.10
KURTOSIS---VETA II	2.88

NUMBER OF SUBJECTS 300

THE PERCENTILES

CENTIMETERS INCHES

77.95	95TH	31.08
77.28	90TH	30.42
76.56	85TH	29.94
75.11	80TH	29.67
74.26	75TH	29.24
73.52	70TH	28.94
72.84	65TH	28.65
72.21	60TH	28.47
71.55	55TH	28.19
71.07	50TH	27.95
70.42	45TH	27.72
69.54	40TH	27.51
68.25	35TH	27.27
66.85	30TH	27.17
66.13	25TH	26.77
67.31	20TH	26.50
66.51	15TH	26.18
65.51	10TH	25.79
64.52	5TH	25.21



SUMMARY STATISTICS FOR WORKSPACE SUBSERIES

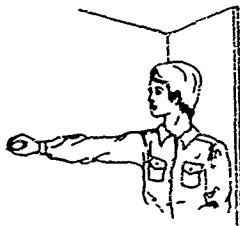
THE PERCENTILES

CENTIMETERS INCHES

92.97	95TH	36.48
91.73	90TH	35.72
89.33	85TH	35.17
86.20	80TH	34.72
87.20	75TH	34.33
86.31	70TH	33.98
85.09	65TH	33.66
84.71	60TH	33.35
83.95	55TH	33.05
83.20	50TH	32.76
82.40	45TH	32.47
81.72	40TH	32.17
81.05	35TH	31.87
80.15	30TH	31.55
79.28	25TH	31.21
78.32	20TH	30.83
77.17	15TH	30.38
75.71	10TH	29.81
73.47	5TH	29.92

3M FUNCTIONAL REACH, EXTENDED

THE DISTANCE FROM THE WALL TO THE TIP OF THE RIGHT THUMB MEASURED WITH THE LEFT SHOULDER IN FIRM CONTACT WITH THE WALL, THE RIGHT SHOULDER EXTENDED AS FAR AS POSSIBLE, THE ARM HELD HORIZONTAL & THE TIP OF THE INDEX FINGER TOUCHING THE PAD OF THE THUMB



THE SUMMARY STATISTICS

CENTIMETERS INCHES

83.14	MEAN	32.73
.34	SE(P)	.13
5.83	ST DEV	2.29
.24	SE(SD)	.09

COEF. OF VARIATION	7.32
SYMMETRY---VETA I	-2.2
KURTOSIS---VETA II	3.02

NUMBER OF SUBJECTS 330

4M OVERHEAD REACH, SITTING

THE HEIGHT OF THE TIP OF THE MIDDLE FINGER ABOVE THE SITTING SURFACE MEASURED WITH THE SUBJECT SITTING UPST, THE RIGHT SIDE AGAINST A WALL, LEFT HAND IN HER LAP, HER RIGHT ARM AND HAND EXTENDED FORWARD & HER PALM AGAINST THE WALL

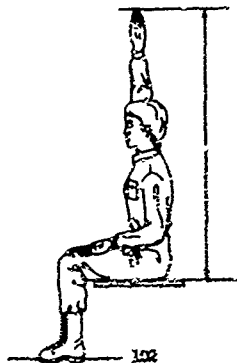
THE SUMMARY STATISTICS

CENTIMETERS INCHES

127.22	MEAN	50.48
.38	SE(P)	.15
6.61	ST DEV	2.60
.27	SE(SD)	.11

COEF. OF VARIATION	5.12
SYMMETRY---VETA I	-2.27
KURTOSIS---VETA II	2.98

NUMBER OF SUBJECTS 310



THE PERCENTILES

CENTIMETERS INCHES

149.44	95TH	54.91
137.24	90TH	54.07
135.50	85TH	53.46
134.72	80TH	53.11
132.55	75TH	52.69
132.28	70TH	52.27
131.75	65TH	51.86
130.95	60TH	51.60
131.34	55TH	51.24
129.12	50TH	50.91
128.61	45TH	50.49
127.65	40TH	50.24
126.77	35TH	49.9
125.52	30TH	49.43
124.77	25TH	49.12
123.57	20TH	48.65
122.15	15TH	48.09
120.25	10TH	47.36
117.38	5TH	46.21

SUMMARY STATISTICS FOR WORKSPACE SUBSERIES

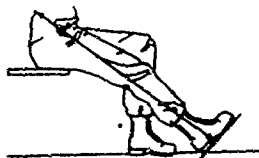
THE PERCENTILES

CENTIMETERS INCHES

113.65	35TH	46.71
116.57	50TH	45.90
119.36	65TH	45.30
123.85	80TH	44.82
128.80	95TH	44.41
131.87	70TH	44.04
131.03	65TH	43.71
130.25	60TH	43.40
129.51	55TH	43.11
128.79	50TH	42.83
128.08	45TH	42.55
127.39	40TH	42.28
126.68	35TH	42.00
125.95	30TH	41.71
125.17	25TH	41.40
124.29	20TH	41.26
123.26	15TH	41.05
121.88	10TH	40.11
99.64	5TH	39.21

5M FUNCTIONAL LEG LENGTH

THE DISTANCE ALONG THE MAIN AXIS OF THE LEG FROM THE BOTTOM OF THE FOOT TO THE POSTERIOR TORSO SURFACE, MEASURED WITH THE LEG EXTENDED & THE KNEE STRAIGHTENED USING AN ANTHROPOMETER WHOSE BASE IS IN FIRM CONTACT WITH THE FOOT'S PLANTAR SURFACE



THE SUMMARY STATISTICS

CENTIMETERS INCHES

106.92	MEAN	42.88
.33	SE(M)	.13
5.78	ST DEV	2.28
.24	SE(SD)	.09

COEF. OF VARIATION	5.3%
SYMMETRY---VETA I	-.02
KURTOSIS---VETA II	3.22

NUMBER OF SUBJECTS 300

THE PERCENTILES

5M WEIGHT (CLOTHED)

THE WEIGHT OF THE SUBJECT WEARING NORMAL INDOOR APPAREL

POUNDS KILOGRAMS

THE SUMMARY STATISTICS

POUNDS KILOGRAMS

125.86	MEAN	61.63
1.02	SE(M)	.46
17.68	ST DEV	8.02
.72	SE(SD)	.33

COEF. OF VARIATION	13.0%
SYMMETRY---VETA I	.3%
KURTOSIS---VETA II	3.78

NUMBER OF SUBJECTS 300



104.54	95TH	74.67
108.30	90TH	71.80
103.99	85TH	69.80
100.56	80TH	68.29
147.50	75TH	66.94
144.91	70TH	65.73
142.44	65TH	64.61
140.11	60TH	63.55
137.84	55TH	62.53
135.62	50TH	61.42
133.41	45TH	60.51
131.17	40TH	59.50
128.87	35TH	58.46
126.47	30TH	57.36
123.62	25TH	56.19
121.41	20TH	54.89
117.72	15TH	53.40
113.61	10TH	51.47
107.62	5TH	48.82

SUMMARY STATISTICS FOR WORKSPACE SUBSERIES

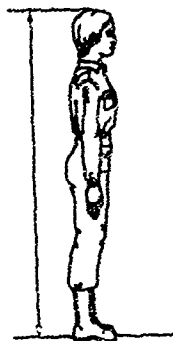
THE PERCENTILES

7M STATURE (CLOTHED)

CENTIMETERS INCHES

179.66	95TH	71.34
175.81	90TH	69.22
173.91	85TH	68.47
172.45	80TH	67.69
171.23	75TH	67.41
170.17	70TH	67.10
169.22	65TH	66.62
168.39	60TH	66.28
167.44	55TH	65.96
166.76	50TH	65.65
165.99	45TH	65.35
165.24	40TH	65.06
164.43	35TH	64.76
163.75	30TH	64.45
162.95	25TH	64.12
161.91	20TH	63.74
160.83	15TH	63.32
159.32	10TH	62.72
158.85	5TH	61.75

THE DISTANCE FROM THE FLOOR TO THE TOP OF THE HEAD MEASURED WITH THE SUBJECT WEARING NORMAL INDOOR APPAREL



THE SUMMARY STATISTICS

CENTIMETERS INCHES

167.17	MEAN	65.81
1.39	SD (M)	.14
4.65	ST DEV	2.62
1.27	SE (SD)	.11

COEF. OF VARIATION	4.32
SYMMETRY---DELTA I	.14
KURTOSIS---DELTA II	7.76

NUMBER OF SUBJECTS 317

2M OVERHEAD REACH BREADTH

2M MAXIMUM BREADTH ACROSS THE ARMS OF SHOULDERS, MEASURED AS THE SUBJECT STANDS WITH HIS FEET 6 INCHES FROM A WALL, HIS ARMS EXTENDED OVERHEAD, FISTS TOUCHING EACH OTHER & AGAINST THE WALL, & FIRST BALANCES HORIZONTAL

THE PERCENTILES
CENTIMETERS INCHES

37.92	95TH	14.92
37.11	90TH	14.62
36.05	85TH	14.47
35.79	80TH	14.29
35.44	75TH	14.17
35.73	70TH	14.07
35.48	65TH	13.97
35.75	60TH	13.88
35.72	55TH	13.79
36.74	50TH	13.71
36.68	45TH	13.62
36.37	40TH	13.47
36.18	35TH	13.42
36.82	30TH	13.31
36.52	25TH	13.21
36.16	20TH	13.11
36.81	15TH	12.91
37.79	10TH	12.81
36.94	5TH	12.72

2M SUMMARY STATISTICS

CENTIMETERS INCHES

34.76	MEAN	13.65
1.31	SD (M)	.04
1.92	ST DEV	.72
1.78	SE (SD)	.03

COEF. OF VARIATION	5.52
SYMMETRY---DELTA I	.19
KURTOSIS---DELTA II	3.13

NUMBER OF SUBJECTS 300



204

SUMMARY STATISTICS FOR WORKSPACE SUBSERIES

THE PERCENTILES

90 BENT TORSO WEIGHT

CENTIMETERS INCHES

130.01	5TH	50.67
135.91	5TH	52.61
134.13	5TH	52.61
137.72	5TH	52.65
131.09	5TH	51.7
131.30	5TH	51.72
129.71	5TH	51.91
127.79	5TH	51.51
127.29	5TH	51.51
125.25	5TH	49.71
125.25	5TH	49.71
124.27	5TH	49.90
127.47	5TH	48.44
121.92	5TH	48.40
121.84	5TH	48.40
119.21	5TH	46.97
117.67	5TH	46.29
117.53	5TH	45.49
112.73	5TH	44.78

THE DISTANCE FROM THE FLOOR TO THE TOP OF THE HEAD MEASURED AS THE SUBJECT STANDS, HER FEET 12" APART, THE PALMS OF HER HANDS ON HER KNEECAPS, & HER HEAD AS CLOSE TO THE FRANKFURT PLANE AS POSSIBLE



THE SUMMARY STATISTICS

CENTIMETERS INCHES

124.69	MEAN	49.64
.45	SE(M)	.18
7.87	ST DEV	3.10
.32	SE(SC)	.13

COEFF. OF VARIATION	6.2%
SYMMETRY---VIA I	.32
KURTOSIS---VIA II	2.80

NUMBER OF SUBJECTS 330

100 BENT TORSO BREADTH

THE PERCENTILES

THE MAXIMUM BREADTH OF THE SHOULDERS MEASURED AS THE SUBJECT STANDS, HER FEET 12" APART, THE PALMS OF HER HANDS ON HER KNEECAPS, & HER HEAD AS CLOSE TO THE FRANKFURT PLANE AS POSSIBLE

CENTIMETERS INCHES

THE SUMMARY STATISTICS

CENTIMETERS INCHES

47.11	MEAN	18.75
.12	SE(M)	.05
2.73	ST DEV	.80
.18	SE(SC)	.03

COEFF. OF VARIATION	5.1%
SYMMETRY---VIA I	.14
KURTOSIS---VIA II	2.61

NUMBER OF SUBJECTS 330



SUMMARY STATISTICS FOR WORKSPACE SUBSERIES

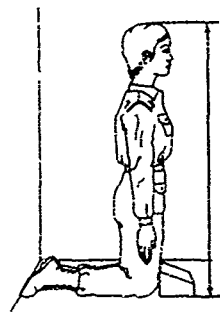
THE PERCENTILES

11H KNEELING HEIGHT

CENTIMETERS INCHES

130.26	95TH	51.28
128.18	90TH	50.47
126.83	85TH	49.83
125.40	80TH	49.53
124.94	75TH	49.19
124.25	70TH	48.90
123.94	65TH	48.64
122.92	60TH	48.39
122.34	55TH	48.17
121.78	50TH	47.95
121.24	45TH	47.73
121.69	40TH	47.52
120.14	35TH	47.30
119.56	30TH	47.17
118.93	25TH	46.82
118.23	20TH	46.55
117.42	15TH	46.22
116.29	10TH	45.78
114.47	5TH	45.17

THE DISTANCE FROM THE FLOOR TO THE TOP OF THE HEAD MEASURED AS THE SUBJECT KNEELS WITH HEP TOES EXTENDED & TOUCHING A WALL, HEP TORSO ERECT, HEP ARMS HANGING LOOSELY, & HEP HEAD IN A FRANKFORT PLANE



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
122.05	MEAN	48.05
.27	SE (P)	.11
4.75	ST DEV	1.87
.19	SE (SD)	.08

COEFF. OF VARIATION	3.92
SYMMETRY---VETA I	.16
KURTOSIS---VETA II	1.41

NUMBER OF SUBJECTS 300

12H KNEELING LEG LENGTH

THE PERCENTILES

THE DISTANCE MEASURED AS THE SUBJECT KNEELS, HEP TOES EXTENDED & TOUCHING A WALL, & HEP TORSO ERECT FROM THE WALL TO THE ANTERIOR PORTION OF THE KNEE

CENTIMETERS INCHES

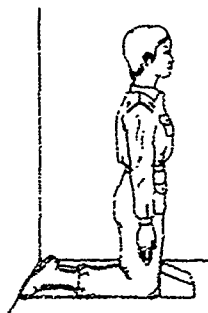
THE SUMMARY STATISTICS

CENTIMETERS		INCHES
64.82	MEAN	25.52
.23	SE (P)	.08
3.47	ST DEV	1.37
.14	SE (SD)	.06

COEFF. OF VARIATION	5.42
SYMMETRY---VETA I	.15
KURTOSIS---VETA II	2.97

NUMBER OF SUBJECTS 300

70.50	95TH	27.75
69.22	90TH	27.25
68.32	85TH	26.92
67.71	80TH	26.66
67.12	75TH	26.47
66.61	70TH	26.22
66.12	65TH	26.07
65.65	60TH	25.85
65.21	55TH	25.67
64.75	50TH	25.49
64.31	45TH	25.32
63.85	40TH	25.14
63.36	35TH	24.95
62.88	30TH	24.76
62.35	25TH	24.55
61.76	20TH	24.32
61.15	15TH	24.05
60.28	10TH	23.72
59.47	5TH	23.29



SUMMARY STATISTICS FOR WORKSPACE SUBSERIES

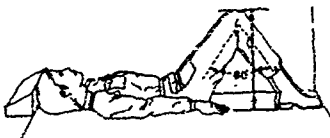
THE PERCENTILES

13W BENT KNEE HEIGHT

CENTIMETERS INCHES

49.62	95TH	15.54
48.73	90TH	15.19
45.11	85TH	13.94
47.62	80TH	13.75
47.19	75TH	13.58
46.80	70TH	13.43
46.45	65TH	13.29
46.11	60TH	13.15
45.79	55TH	13.03
45.47	50TH	12.90
45.15	45TH	12.78
44.84	40TH	12.65
44.51	35TH	12.52
44.25	30TH	12.39
43.79	25TH	12.24
43.38	20TH	12.08
42.89	15TH	11.85
42.27	10TH	11.64
41.62	5TH	11.27

THE HEIGHT OF THE HIGHEST POINT ON THE KNEE WHEN THE SUBJECT LIES SUPINE, HER KNEES RAISED SO THAT THE ANGLE BETWEEN THE UPPER & LOWER LEGS APPROXIMATES 60 DEGREES AND HER TOES TOUCH A WALL



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
45.49	MEAN	17.91
.15	SE(M)	.06
2.56	ST DEV	1.01
.10	SE(SD)	.04

COEFF. OF VARIATION	5.6%
SYMMETRY---VETA I	.09
KURTOSIS---VETA II	3.37

NUMBER OF SUBJECTS 300

14W HORIZONTAL LGTH/KNEES BNT

THE PERCENTILES

THE DISTANCE FROM VERTEX TO THE TIP OF THE TOES WHEN THE SUBJECT LIES SUPINE, HER KNEES RAISED SO THAT THE ANGLE BETWEEN THE UPPER & LOWER LEGS APPROXIMATES 60 DEGREES AND HER TOES TOUCH A WALL

CENTIMETERS INCHES

THE SUMMARY STATISTICS

CENTIMETERS INCHES

158.92	MEAN	59.42
.41	SE(M)	.16
7.14	ST DEV	2.81
.29	SE(SD)	.11

COEFF. OF VARIATION	4.7%
SYMMETRY---VETA I	.15
KURTOSIS---VETA II	3.19

NUMBER OF SUBJECTS 100



163.76	95TH	64.47
161.85	90TH	63.26
158.57	85TH	62.43
156.92	80TH	61.78
155.52	75TH	61.27
154.21	70TH	60.75
153.21	65TH	60.37
152.21	60TH	59.93
151.27	55TH	59.56
150.31	50TH	59.20
149.51	45TH	58.86
148.67	40TH	58.53
147.93	35TH	58.20
146.97	30TH	57.86
146.16	25TH	57.51
145.11	20TH	57.13
143.99	15TH	56.69
142.57	10TH	56.17
141.32	5TH	55.25

STATISTICS FOR SUBSERIES 3: THE HEAD AND FACE MEASUREMENTS

A total of 31 head and face measurements constituted Subseries 3. Sixteen, or just over half, were measurements made using the headboard, 10 were made with calipers, and five were tape measurements. The subsample consisted of 215 women.

The headboard measurements (see Figure 6) included measurements from the back and the top of the headboard to the chin (menton), the base of the nose (subnasale), the tip of the nose (pronasale), nasal root depression (sellion), the outer corner of the eye (ectocanthus), the forehead (glabella), and the notch just forward of the ear hole (tragion). The distance from the top of the headboard to the arith was made to stomion, the point in the midsagittal plane in which the lips come together, whereas the corresponding horizontal measurement from the back of the head was made to the most forward point in the plane of the lips.

Three of the caliper measures were made in the profile or midsagittal plane: from the nasal root depression to the chin (face length: sellion-menton); from the nasal root depression to the base of the nose (nose length: sellion-subnasale), and from the hairline (crinion) to the chin (menton). The other seven measurements are breadths: biocular, interpupillar, mouth (smiling), nose, face (bizygomatic), bitrigion, and mentum frontale.

All five tape measurements were arcs measured with the lips passing variously over the top of the head from front to back and from right to left trigion over the top of the head, across the forehead, under the chin or under the gonial angles of the chin.

Three head measurements were included in the core series: head breadth, head length, and head circumference. We have included the summary statistics for these three measurements as based on the subsample in the statistics given in this chapter.

A comparison of the head-face subsample with the total sample with respect to rank, age, and race is given in Table 14. Rather than include stature and weight in this comparison, as we did in Tables 12 and 13, we have shown the contrasting values for head length, head breadth, and head circumference. The circumferences differ by about one millimeter in their mean values; the length means and breadth means show almost no differences. Frequency distributions for these data are in Appendix A and their XVAL printout in Appendix B.

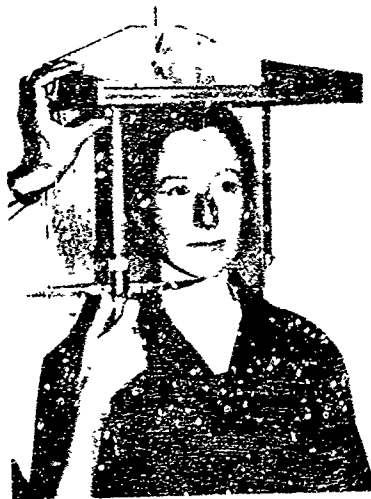


Figure 6. Headboard.

TABLE 14

CHARACTERISTICS OF HEAD AND FACE SUBSAMPLE AND TOTAL SAMPLE

a. <u>Rank</u>	<u>Subsample</u>		<u>Total Series</u>
0-4 to 0-6	9	6%	3%
0-1 to 0-3	33	15%	23%
E-7	1	1%	1%
E-5 & E-6	16	7%	7%
E-3 & E-4	43	20%	20%
E-1 & E-2	123	57%	47%
Total	216	100%	101%
b. <u>Age</u>	<u>Subsample</u>		<u>Total Series</u>
30 and up	13	6%	10%
24 - 30	56	26%	27%
20 - 24	63	29%	34%
17 - 20	84	39%	30%
Total	216	100%	101%
c. <u>Race</u>	<u>Subsample</u>		<u>Total Series</u>
Whites	163	76%	75%
Blacks	48	22%	23%
Oriental	5	2%	2%
Not Identified			
Total	216	100%	100%
d. <u>Head Length</u>	<u>Subsample</u>		<u>Total Series</u>
Mean	18.72	cm	18.71
Standard Deviation	0.73	cm	0.67
e. <u>Head Breadth</u>	<u>Subsample</u>		<u>Total Series</u>
Mean	14.62	cm	14.61
Standard Deviation	0.54	cm	0.54
f. <u>Head Circumference</u>	<u>Subsample</u>		<u>Total Series</u>
Mean	55.03	cm	54.92
Standard Deviation	1.78	cm	1.64

SUMMARY STATISTICS FOR HEAD & FACE SUBSERIES

THE PERCENTILES

CENTIMETERS INCHES

35.37	35TH	14.20
35.57	50TH	14.00
35.17	85TH	13.85
34.83	90TH	13.74
34.64	95TH	13.64
34.46	98TH	13.57
34.28	99TH	13.50
34.06	99TH	13.41
33.86	99TH	13.33
33.64	99TH	13.24
33.43	99TH	13.16
33.22	99TH	13.08
32.99	99TH	12.95
32.64	99TH	12.85
32.46	99TH	12.78
32.24	99TH	12.69
31.99	99TH	12.60
31.66	99TH	12.46
31.14	99TH	12.26

1M SAGITTAL ARC

THE DISTANCE OVER THE TOP OF THE HEAD FROM GLABELLA (THE MOST ANTERIOR POINT BETWEEN THE SUPRACILIARIES) TO NUCHALE (THE LOWEST POINT PALPABLE AT THE BASE OF THE OCCIPUT) MEASURED WITH THE TAPE AS CLOSE TO THE SCALP AS POSSIBLE

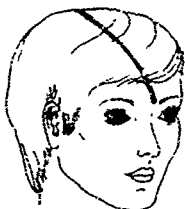
THE SUMMARY STATISTICS

CENTIMETERS INCHES

33.67	MEAN	13.24
.11	SE(M)	.04
1.55	ST DEV	.61
.17	SE(SC)	.03

COEF. OF VARIATION	4.6%
SYMMETRY---VETA I	.71
KURTOSIS---VETA II	3.16

NUMBER OF SUBJECTS 216



2M BITRAGION-CORONAL ARC

THE DISTANCE FROM RIGHT TRAGION (THE NOSE JUST FORWARD OF THE EAR HOLE) TO LEFT TRAGION, MEASURED ACROSS THE TOP OF THE HEAD

THE PERCENTILES

CENTIMETERS INCHES

35.37	95TH	13.93
34.86	90TH	13.77
34.62	95TH	13.59
34.26	98TH	13.49
34.03	99TH	13.40
33.84	99TH	13.32
33.66	99TH	13.25
33.45	99TH	13.16
33.33	99TH	13.12
33.17	99TH	13.04
33.01	99TH	13.00
32.86	99TH	12.94
32.71	99TH	12.87
32.52	99TH	12.81
32.38	99TH	12.74
32.16	99TH	12.66
31.94	99TH	12.57
31.66	99TH	12.47
31.27	99TH	12.31

THE SUMMARY STATISTICS

CENTIMETERS INCHES

33.27	MEAN	13.08
.09	SE(M)	.03
1.27	ST DEV	.50
.06	SE(SC)	.02

COEF. OF VARIATION	3.8%
SYMMETRY---VETA I	.35
KURTOSIS---VETA II	3.56

NUMBER OF SUBJECTS 216



SUMMARY STATISTICS FOR HEAD & FACE SUBSERIES

THE PERCENTILES

CENTIMETERS INCHES

34.17	95TH	11.85
29.69	90TH	11.67
29.43	85TH	11.59
29.24	80TH	11.51
29.07	75TH	11.44
28.72	70TH	11.39
28.78	65TH	11.33
28.65	60TH	11.28
28.52	55TH	11.23
28.40	50TH	11.18
28.27	45TH	11.13
28.14	40TH	11.08
28.00	35TH	11.02
27.86	30TH	10.97
27.73	25TH	10.91
27.52	20TH	10.83
27.31	15TH	10.75
27.15	10TH	10.69
26.67	5TH	10.50

3M BILTRAGION-FRONTAL ARC

THE DISTANCE FROM RIGHT TRAGION (THE NOTCH JUST FORWARD OF THE EAR HOLE) TO LEFT TRAGION MEASURED ACROSS THE FOREHEAD



THE SUMMARY STATISTICS

CENTIMETERS INCHES

28.40	MEAN	11.18
.07	SE(M)	.03
1.03	ST DEV	.40
.05	SE(SC)	.02

COEF. OF VARIATION	3.6%
SYMMETRY---VETA I	.97
KURTOSIS---VETA II	2.89

NUMBER OF SUBJECTS 216

4M BILTRAGION-MENTON ARC

THE DISTANCE FROM RIGHT TRAGION (THE NOTCH JUST FORWARD OF THE EAR HOLE) TO LEFT TRAGION MEASURED WITH THE TAPE PASSING UNDER THE TIP OF THE CHIN

THE SUMMARY STATISTICS

CENTIMETERS INCHES

29.36	MEAN	11.56
.09	SE(M)	.04
1.31	ST DEV	.92
.06	SE(SC)	.03

COEF. OF VARIATION	4.92
SYMMETRY---VETA I	.97
KURTOSIS---VETA II	3.14

NUMBER OF SUBJECTS 216

THE PERCENTILES

CENTIMETERS INCHES

31.52	95TH	12.45
31.07	90TH	12.03
30.71	85TH	11.89
30.43	80TH	11.92
30.20	75TH	11.85
30.00	70TH	11.91
29.82	65TH	11.67
29.64	60TH	11.67
29.46	55TH	11.61
29.32	50TH	11.54
29.16	45TH	11.48
29.00	40TH	11.42
28.84	35TH	11.31
28.67	30TH	11.29
28.49	25TH	11.22
28.22	20TH	11.23
28.04	15TH	11.04
27.74	10TH	10.92
27.27	5TH	10.74



SUMMARY STATISTICS FOR HEAD & FACE SUBSERIES

THE PERCENTILES

CENTIMETERS INCHES

26.87	95TH	11.37
26.35	90TH	11.16
27.97	85TH	11.01
27.66	80TH	10.89
27.39	75TH	10.72
27.16	70TH	10.69
26.94	65TH	10.61
26.74	60TH	10.53
26.56	55TH	10.46
26.38	50TH	10.39
26.21	45TH	10.32
26.04	40TH	10.25
25.87	35TH	10.19
25.70	30TH	10.12
25.53	25TH	10.05
25.34	20TH	9.98
25.13	15TH	9.89
24.86	10TH	9.79
24.46	5TH	9.63

SN ORTRAGION-SUBMANDIBULAR ARC

THE DISTANCE FROM RIGHT TRAGION (THE NOTCH JUST FORWARD OF THE EAR HOLE) TO LEFT TRAGION MEASURED WITH THE TAPE PASSING UNDER THE GOGIAL ANGLE OF THE JAW AND OVER THE JAW-NECK JUNCTURE



THE SUMMARY STATISTICS

CENTIMETERS		INCHES
26.49	MEAN	10.43
.69	SE(M)	.04
1.34	ST DEV	.53
.75	SE(SD)	.03

COEF. OF VARIATION	5.1%
SYMMETRY---VETA I	.28
KURTOSIS---VETA II	2.64

NUMBER OF SUBJECTS 214

SN GLABELLA TO WALL

THE PERCENTILES

THE DISTANCE FROM THE MOST ANTERIOR POINT BETWEEN THE BROW RIDGES TO THE CORONAL PLANE TANGENT TO THE BACK OF THE HEAD

CENTIMETERS INCHES

THE SUMMARY STATISTICS

CENTIMETERS INCHES

19.25	MEAN	7.58
.37	SE(M)	.03
.95	ST DEV	.39
.25	SE(SD)	.02

COEF. OF VARIATION	5.1%
SYMMETRY---VETA I	.63
KURTOSIS---VETA II	4.03

NUMBER OF SUBJECTS 216



SUMMARY STATISTICS FOR HEAD & FACE SUBSERIES

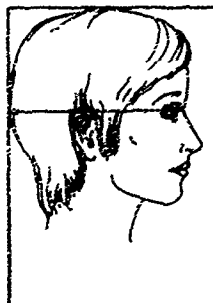
THE PERCENTILES

7H SELLION TO WALL

CENTIMETERS INCHES

THE DISTANCE FROM THE DEEPEST POINT IN THE NASAL
ROOT DEPRESSION TO THE CORONAL PLANE TANGENT
TO THE BACK OF THE HEAD

21.86	95TH	8.65
21.44	90TH	8.44
21.12	85TH	8.31
20.68	80TH	8.22
20.16	75TH	8.14
20.52	70TH	8.06
20.34	65TH	8.02
20.25	60TH	7.97
20.13	55TH	7.93
20.02	50TH	7.88
19.92	45TH	7.84
19.82	40TH	7.80
19.72	35TH	7.76
19.62	30TH	7.73
19.52	25TH	7.68
19.41	20TH	7.64
19.28	15TH	7.59
19.11	10TH	7.52
18.82	5TH	7.41



THE SUMMARY STATISTICS

CENTIMETERS INCHES

20.16	MEAN	7.94
.07	SE(M)	.03
.96	ST DEV	.38
.05	SE(SD)	.02

COEF. OF VARIATION	4.82
SYMMETRY---VETA I	.70
KURTOSIS---VETA II	4.24

NUMBER OF SUBJECTS 216

8H PRONASALE TO WALL

THE PERCENTILES

THE DISTANCE FROM THE TIP OF THE NOSE TO THE
CORONAL PLANE TANGENT TO THE BACK OF THE HEAD

CENTIMETERS INCHES

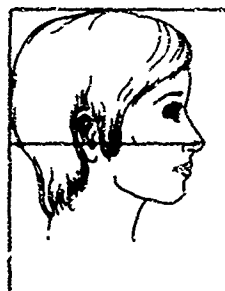
THE SUMMARY STATISTICS

CENTIMETERS INCHES

21.49	MEAN	8.46
.07	SE(M)	.03
.98	ST DEV	.38
.05	SE(SD)	.02

COEF. OF VARIATION	4.52
SYMMETRY---VETA I	.57
KURTOSIS---VETA II	3.90

NUMBER OF SUBJECTS 216



23.23	95TH	9.19
22.77	90TH	8.96
22.47	85TH	8.85
22.25	80TH	8.76
22.07	75TH	8.69
21.91	70TH	8.63
21.77	65TH	8.57
21.64	60TH	8.52
21.52	55TH	8.47
21.41	50TH	8.43
21.30	45TH	8.39
21.18	40TH	8.34
21.08	35TH	8.30
20.96	30TH	8.28
20.84	25TH	8.21
20.71	20TH	8.15
20.58	15TH	8.08
20.36	10TH	8.02
20.07	5TH	7.90

SUMMARY STATISTICS FOR HEAD & FACE SUBSERIES

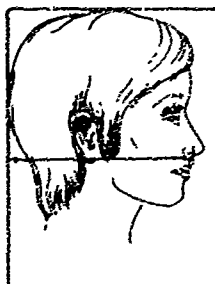
THE PERCENTILES

9H SUBNASALE TO WALL

CENTIMETERS INCHES

THE DISTANCE FROM THE BASE OF THE NASAL SPRIUM
TO THE CORONAL PLANE TANGENT TO THE BACK
OF THE HEAD

21.91	95TH	8.63
21.42	90TH	8.43
21.11	85TH	8.31
20.88	80TH	8.22
20.69	75TH	8.14
20.52	70TH	8.08
20.38	65TH	8.02
20.24	60TH	7.97
20.12	55TH	7.92
20.00	50TH	7.87
19.89	45TH	7.83
19.77	40TH	7.78
19.66	35TH	7.74
19.54	30TH	7.69
19.42	25TH	7.64
19.28	20TH	7.59
19.13	15TH	7.53
18.93	10TH	7.45
18.64	5TH	7.34



THE SUMMARY STATISTICS

CENTIMETERS INCHES

23.11	MEAN	7.92
.07	SE(M)	.03
2.00	ST DEV	.39
.07	SE(SC)	.02

COEF. OF VARIATION	5.3%
SYMMETRY---VETA I	.45
KURTOSIS---VETA II	7.97

NUMBER OF SUBJECTS 216

10H LIP PROTRUSION TO BALL

THE PERCENTILES

THE DISTANCE FROM THE MOST ANTERIOR POINT OF THE
LIPS TO THE CORONAL PLANE TANGENT TO THE
BACK OF THE HEAD

CENTIMETERS INCHES

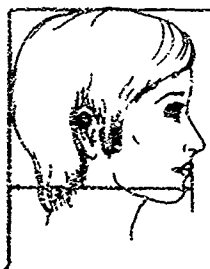
THE SUMMARY STATISTICS

CENTIMETERS INCHES

20.10	MEAN	7.91
.08	SE(M)	.03
1.16	ST DEV	.48
.08	SE(SC)	.02

COEF. OF VARIATION	6.0%
SYMMETRY---VETA I	.72
KURTOSIS---VETA II	3.70

NUMBER OF SUBJECTS 216



22.22	95TH	8.74
21.61	90TH	8.51
21.24	85TH	8.36
20.97	80TH	8.26
20.75	75TH	8.17
20.56	70TH	8.09
20.35	65TH	8.03
20.24	60TH	7.97
20.11	55TH	7.91
19.97	50TH	7.86
19.83	45TH	7.81
19.71	40TH	7.76
19.57	35TH	7.71
19.44	30TH	7.65
19.30	25TH	7.59
19.15	20TH	7.54
18.95	15TH	7.47
18.77	10TH	7.39
18.47	5TH	7.27

SUMMARY STATISTICS FOR HEAD & FACE SUBSERIES

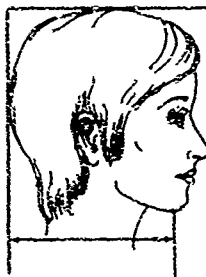
THE PERCENTILES

11M MEANTON TO WALL

CENTIMETERS INCHES

THE DISTANCE FROM THE TIP OF THE CHIN TO THE CORONAL PLANE TANGENT TO THE BACK OF THE HEAD

21.44	95TH	8.44
20.94	90TH	8.24
20.62	85TH	8.12
20.37	80TH	8.02
20.16	75TH	7.94
19.98	70TH	7.87
19.82	65TH	7.80
19.67	60TH	7.74
19.53	55TH	7.69
19.39	50TH	7.63
19.26	45TH	7.58
19.13	40TH	7.53
18.99	35TH	7.48
18.86	30TH	7.42
18.71	25TH	7.37
18.55	20TH	7.30
18.37	15TH	7.23
18.15	10TH	7.15
17.82	5TH	7.02



THE SUMMARY STATISTICS

CENTIMETERS INCHES

19.47	MEAN	7.67
.07	SE(M)	.03
1.10	ST DEV	.43
.65	SE(SD)	.02

COEF. OF VARIATION	5.7%
SYMMETRY---VETA I	.36
KURTOSIS---VETA II	2.97

NUMBER OF SUBJECTS 216

12M ECTOCANTHUS TO WALL

THE PERCENTILES

THE DISTANCE FROM THE OUTER CORNER OF THE EYE TO THE CORONAL PLANE TANGENT TO THE BACK OF THE HEAD

CENTIMETERS INCHES

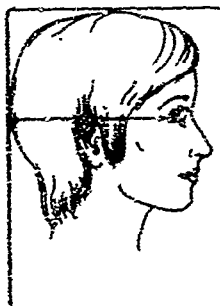
THE SUMMARY STATISTICS

CENTIMETERS INCHES

17.17	MEAN	6.76
.06	SE(M)	.03
.93	ST DEV	.37
.04	SE(SD)	.02

COEF. OF VARIATION	5.4%
SYMMETRY---VETA I	.71
KURTOSIS---VETA II	4.15

NUMBER OF SUBJECTS 216



18.04	95TH	7.42
18.35	90TH	7.22
18.66	85TH	7.11
17.85	80TH	7.03
17.64	75TH	6.96
17.53	70TH	6.90
17.40	65TH	6.85
17.26	60TH	6.81
17.18	55TH	6.75
17.07	50TH	6.72
16.97	45TH	6.66
16.86	40TH	6.64
16.75	35TH	6.60
16.55	30TH	6.55
16.53	25TH	6.51
16.47	20TH	6.46
16.26	15TH	6.40
16.17	10TH	6.33
15.81	5TH	6.22

SUMMARY STATISTICS FOR HEAD & FACE SUBSERIES

THE PERCENTILES

13M TRAGON TO WALL

CENTIMETERS INCHES

THE DISTANCE FROM THE CARTILAGINOUS NOTCH JUST FORWARD OF THE EAR HOLE TO THE CORONAL PLANE TANGENT TO THE BACK OF THE HEAD

11.71	95TH	4.61
11.23	90TH	4.42
10.94	85TH	4.31
10.73	80TH	4.22
10.56	75TH	4.16
10.41	70TH	4.10
10.28	65TH	4.05
10.16	60TH	4.00
10.05	55TH	3.96
9.94	50TH	3.91
9.83	45TH	3.87
9.73	40TH	3.83
9.63	35TH	3.79
9.52	30TH	3.75
9.41	25TH	3.70
9.29	20TH	3.66
9.16	15TH	3.61
9.01	10TH	3.55
8.81	5TH	3.47



THE SUMMARY STATISTICS

CENTIMETERS INCHES

10.6	MEAN	3.96
.6	SE(M)	.12
.91	ST DEV	.36
.64	SE(SD)	.02

COEF. OF VARIATION	9.0%
SYMMETRY---VETA I	.97
KURTOSIS---VETA II	4.13

NUMBER OF SUBJECTS 216

14M BISTRAGON BREADTH

THE PERCENTILES

THE BREADTH OF THE HEAD BETWEEN THE NOTCHES JUST FORWARD OF THE EAR HOLES

CENTIMETERS INCHES

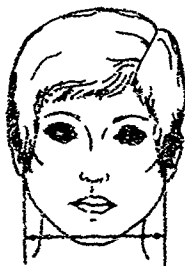
THE SUMMARY STATISTICS

CENTIMETERS INCHES

12.98	MEAN	5.11
.34	SE(M)	.01
.53	ST DEV	.21
.03	SE(SD)	.01

COEF. OF VARIATION	4.22
SYMMETRY---VETA I	0.05
KURTOSIS---VETA II	3.13

NUMBER OF SUBJECTS 216



12.85	95TH	5.45
12.66	90TH	5.36
12.53	85TH	5.33
12.42	80TH	5.28
12.33	75TH	5.25
12.28	70TH	5.22
12.18	65TH	5.19
12.11	60TH	5.16
12.0	55TH	5.13
12.98	50TH	5.11
12.91	45TH	5.08
12.85	40TH	5.06
12.78	35TH	5.03
12.71	30TH	5.01
12.63	25TH	4.97
12.54	20TH	4.94
12.44	15TH	4.90
12.35	10TH	4.86
12.0	5TH	4.75

SUMMARY STATISTICS FOR HEAD & FACE SUBSERIES

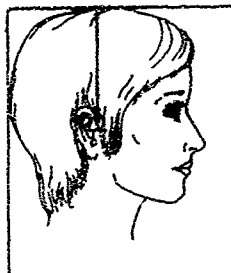
THE PERCENTILES

15H HEAD HEIGHT (TRAGION-VRX)

CENTIMETERS INCHES

THE DISTANCE FROM THE CARTILAGINOUS NOTCH JUST
FORWARD OF THE EAR HOLE TO THE LEVEL OF THE
TOP OF THE HEAD

14.27	95TH	5.62
14.02	90TH	5.52
13.86	85TH	5.46
13.74	80TH	5.41
13.63	75TH	5.27
13.53	70TH	5.33
13.44	65TH	5.29
13.36	60TH	5.26
13.28	55TH	5.23
13.19	50TH	5.19
13.11	45TH	5.16
13.02	40TH	5.13
12.94	35TH	5.09
12.84	30TH	5.06
12.74	25TH	5.02
12.63	20TH	4.97
12.50	15TH	4.92
12.34	10TH	4.86
12.11	5TH	4.77



THE SUMMARY STATISTICS

CENTIMETERS INCHES

13.19	MEAN	5.19
.05	SE(M)	.02
.67	ST DEV	.26
.03	SE(SC)	.01

COEF. OF VARIATION	5.1%
SYMMETRY---VETA I	.14
KURTOSIS---VETA II	3.75

NUMBER OF SUBJECTS 216

16H ECTOCANTHUS TO VERTEX

THE PERCENTILES

THE DISTANCE FROM THE OUTER CORNER OF THE EYE
TO THE LEVEL OF THE TOP OF THE HEAD

CENTIMETERS INCHES

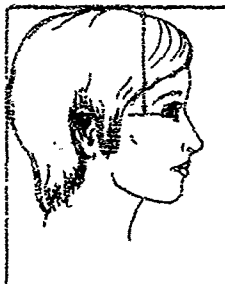
THE SUMMARY STATISTICS

CENTIMETERS INCHES

12.13	MEAN	4.76
.05	SE(M)	.02
.80	ST DEV	.32
.04	SE(SC)	.02

COEF. OF VARIATION	6.6%
SYMMETRY---VETA I	.32
KURTOSIS---VETA II	4.67

NUMBER OF SUBJECTS 216



12.37	95TH	5.26
12.12	90TH	5.17
12.94	85TH	5.09
12.75	80TH	5.04
12.66	75TH	4.98
12.54	70TH	4.94
12.41	65TH	4.90
12.33	60TH	4.85
12.21	55TH	4.81
12.13	50TH	4.78
12.01	45TH	4.74
11.92	40TH	4.70
11.83	35TH	4.66
11.72	30TH	4.61
11.60	25TH	4.57
11.47	20TH	4.52
11.34	15TH	4.48
11.13	10TH	4.38
10.84	5TH	4.27

SUPPLY STATISTICS FOR HEAD & FACE SUBSERIES

THE PERCENTILES

19M PRONASALE TO VERTEX

CENTIMETERS INCHES

THE DISTANCE FROM THE TIP OF THE NOSE
TO THE TOP OF THE HEAD

15.13	95TH	5.96
14.80	90TH	5.83
14.57	85TH	5.74
14.39	80TH	5.66
14.22	75TH	5.60
14.08	70TH	5.54
13.94	65TH	5.49
13.81	60TH	5.44
13.68	55TH	5.39
13.56	50TH	5.34
13.43	45TH	5.29
13.30	40TH	5.24
13.17	35TH	5.18
13.02	30TH	5.13
12.87	25TH	5.07
12.70	20TH	5.00
12.51	15TH	4.93
12.27	10TH	4.83
11.93	5TH	4.70



THE SUPPLY STATISTICS

CENTIMETERS INCHES

13.55	MEAN	5.33
.07	SE(M)	.03
.09	ST DEV	.39
.05	SE(SD)	.02

COEF. OF VARIATION	7.3%
SYMMETRY---VETA I	.30
KURTOSIS---VETA II	4.59

NUMBER OF SUBJECTS 216

20M SUBNASALE TO VERTEX

THE PERCENTILES

THE DISTANCE FROM THE BASE OF THE NASAL SEPTUM
TO THE LEVEL OF THE TOP OF THE HEAD

CENTIMETERS INCHES

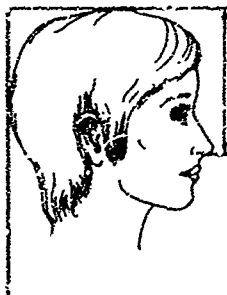
THE SUPPLY STATISTICS

CENTIMETERS INCHES

14.80	MEAN	5.83
.06	SE(M)	.03
.05	ST DEV	.37
.05	SE(SD)	.02

COEF. OF VARIATION	2.4%
SYMMETRY---VETA I	.51
KURTOSIS---VETA II	4.76

NUMBER OF SUBJECTS 216



16.35	95TH	6.44
16.01	90TH	6.30
15.76	85TH	6.20
15.57	80TH	6.13
15.40	75TH	6.06
15.25	70TH	6.00
15.12	65TH	5.95
14.95	60TH	5.90
14.87	55TH	5.86
14.76	50TH	5.81
14.64	45TH	5.76
14.52	40TH	5.72
14.42	35TH	5.68
14.30	30TH	5.63
14.17	25TH	5.58
14.03	20TH	5.52
13.87	15TH	5.46
13.66	10TH	5.36
13.34	5TH	5.25

SUPPLY STATISTICS FOR HEAD & FACE SUBSERIES

THE PERCENTILES

19M PRONASALE TO VERTEX

CENTIMETERS INCHES

THE DISTANCE FROM THE TIP OF THE NOSE
TO THE TOP OF THE HEAD

15.13	95TH	5.96
14.80	90TH	5.83
14.57	85TH	5.74
14.39	80TH	5.66
14.22	75TH	5.60
14.08	70TH	5.54
13.94	65TH	5.49
13.81	60TH	5.44
13.68	55TH	5.39
13.56	50TH	5.34
13.43	45TH	5.29
13.30	40TH	5.24
13.17	35TH	5.18
13.02	30TH	5.13
12.87	25TH	5.07
12.70	20TH	5.00
12.51	15TH	4.93
12.27	10TH	4.83
11.93	5TH	4.70



THE SUPPLY STATISTICS

CENTIMETERS INCHES

13.55	MEAN	5.33
.07	SE(M)	.03
.09	ST DEV	.39
.05	SE(SD)	.02

COEF. OF VARIATION	7.3%
SYMMETRY---VETA I	.30
KURTOSIS---VETA II	4.59

NUMBER OF SUBJECTS 216

20M SUBNASALE TO VERTEX

THE PERCENTILES

THE DISTANCE FROM THE BASE OF THE NASAL SEPTUM
TO THE LEVEL OF THE TOP OF THE HEAD

CENTIMETERS INCHES

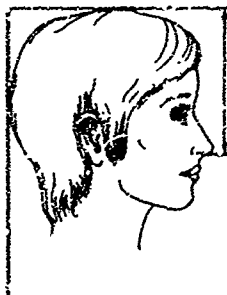
THE SUPPLY STATISTICS

CENTIMETERS INCHES

14.80	MEAN	5.83
.06	SE(M)	.03
.05	ST DEV	.37
.05	SE(SD)	.02

COEF. OF VARIATION	2.4%
SYMMETRY---VETA I	.51
KURTOSIS---VETA II	4.76

NUMBER OF SUBJECTS 216



16.35	95TH	6.44
16.01	90TH	6.30
15.76	85TH	6.20
15.57	80TH	6.13
15.40	75TH	6.06
15.25	70TH	6.00
15.12	65TH	5.95
14.95	60TH	5.90
14.87	55TH	5.86
14.76	50TH	5.81
14.64	45TH	5.76
14.52	40TH	5.72
14.42	35TH	5.68
14.30	30TH	5.63
14.17	25TH	5.58
14.03	20TH	5.52
13.87	15TH	5.46
13.66	10TH	5.36
13.34	5TH	5.25

SUMMARY STATISTICS FOR HEAD & FACE SUBSERIES

THE PERCENTILES

21M STOMION TO VERTEX

CENTIMETERS INCHES

THE DISTANCE FROM THE POINT OF CONTACT OF THE LIPS
IN THE MIDSAGITTAL PLANE TO THE TOP OF THE HEAD

18.40	95TH	7.24
18.04	90TH	7.20
17.81	85TH	7.01
17.63	80TH	6.94
17.47	75TH	6.88
17.33	70TH	6.82
17.20	65TH	6.77
17.07	60TH	6.72
16.95	55TH	6.67
16.83	50TH	6.62
16.70	45TH	6.58
16.58	40TH	6.53
16.45	35TH	6.47
16.31	30TH	6.42
16.16	25TH	6.36
15.99	20TH	6.30
15.80	15TH	6.22
15.56	10TH	6.12
15.22	5TH	6.09



THE SUMMARY STATISTICS

CENTIMETERS INCHES

16.84	MEAN	6.63
.07	SE(M)	.03
1.01	ST DEV	.40
.05	SE(SC)	.02

COEF. OF VARIATION	6.32
SYMMETRY---VETA I	.49
KURTOSIS---VETA II	4.77

NUMBER OF SUBJECTS 216

22M MENTON TO VERTEX

THE PERCENTILES

THE DISTANCE FROM THE TIP OF THE CHIN TO THE
LEVEL OF THE TOP OF THE HEAD

CENTIMETERS INCHES

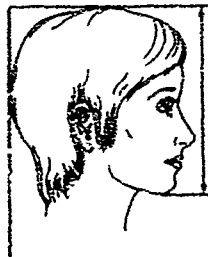
THE SUMMARY STATISTICS

CENTIMETERS INCHES

20.80	MEAN	8.22
.07	SE(M)	.03
1.02	ST DEV	.40
.05	SE(SC)	.02

COEF. OF VARIATION	4.92
SYMMETRY---VETA I	.37
KURTOSIS---VETA II	3.83

NUMBER OF SUBJECTS 216



22.50	95TH	8.89
22.20	90TH	8.74
21.92	85TH	8.64
21.73	80TH	8.55
21.55	75TH	8.48
21.35	70TH	8.42
21.24	65TH	8.36
21.10	60TH	8.31
20.97	55TH	8.26
20.84	50TH	8.21
20.72	45TH	8.16
20.55	40TH	8.11
20.46	35TH	8.05
20.32	30TH	8.00
20.17	25TH	7.94
20.01	20TH	7.88
19.82	15TH	7.81
19.60	10TH	7.72
19.27	5TH	7.59

SUMMARY STATISTICS FOR HEAD & FACE SUBSERIES

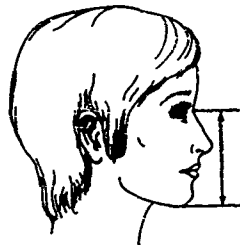
THE PERCENTILES

23M FACE LENGTH (SELICN-MNTN)

CENTIMETERS INCHES

THE VERTICAL DISTANCE FROM THE DEEPEST POINT
IN THE NASAL ROOT DEPRESSION TO THE TIP
OF THE CHIN

11.76	95TH	4.63
11.52	90TH	4.53
11.33	85TH	4.46
11.19	80TH	4.40
11.06	75TH	4.36
10.96	70TH	4.31
10.86	65TH	4.27
10.77	60TH	4.24
10.69	55TH	4.21
10.61	50TH	4.18
10.54	45TH	4.15
10.47	40TH	4.12
10.40	35TH	4.09
10.33	30TH	4.07
10.26	25TH	4.04
10.19	20TH	4.01
10.12	15TH	3.98
10.03	10TH	3.95
9.89	5TH	3.89



THE SUMMARY STATISTICS

CENTIMETERS INCHES

10.69	MEAN	4.21
.04	SE(M)	.01
.57	ST DEV	.22
.03	SE(SD)	.01

COEF. OF VARIATION	5.3%
SYMMETRY---VETA I	.47
KURTOSIS---VETA II	2.73

NUMBER OF SUBJECTS 216

24M CRINION-MENTON

THE PERCENTILES

THE VERTICAL DISTANCE FROM THE TIP OF THE CHIN
TO THE MIDSAGITTAL POINT OF THE HAIRLINE

CENTIMETERS INCHES

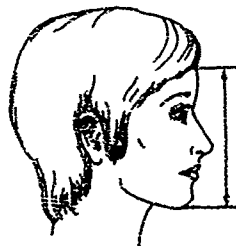
THE SUMMARY STATISTICS

CENTIMETERS INCHES

17.58	MEAN	6.92
.06	SE(M)	.02
.83	ST DEV	.32
.04	SE(SD)	.02

COEF. OF VARIATION	4.7%
SYMMETRY---VETA I	.94
KURTOSIS---VETA II	3.11

NUMBER OF SUBJECTS 216



18.95	95TH	7.44
18.65	90TH	7.34
18.44	85TH	7.26
18.26	80TH	7.20
18.14	75TH	7.14
18.02	70TH	7.09
17.90	65TH	7.05
17.79	60TH	7.00
17.69	55TH	6.96
17.58	50TH	6.92
17.48	45TH	6.88
17.37	40TH	6.84
17.26	35TH	6.80
17.15	30TH	6.75
17.02	25TH	6.70
16.88	20TH	6.65
16.72	15TH	6.58
16.53	10TH	6.50
16.21	5TH	6.38

SUMMARY STATISTICS FOR HEAD & FACE SUBSERIES

THE PERCENTILES

25H MINIMUM FRONTAL CREATH

CENTIMETERS INCHES

THE BREADTH OF THE FOREHEAD BETWEEN THE GR-41 ST
INDENTATIONS OF THE TEMPORAL CRESTS ABOVE
THE BROW RIDGES

11.36	95TH	4.47
11.16	90TH	4.40
11.04	85TH	4.35
10.94	80TH	4.31
10.86	75TH	4.27
10.78	70TH	4.25
10.72	65TH	4.22
10.65	60TH	4.19
10.59	55TH	4.17
10.52	50TH	4.14
10.46	45TH	4.12
10.39	40TH	4.09
10.32	35TH	4.06
10.25	30TH	4.04
10.17	25TH	4.00
10.08	20TH	3.97
9.98	15TH	3.93
9.86	10TH	3.88
9.69	5TH	3.82



THE SUMMARY STATISTICS

CENTIMETERS INCHES

10.52	MEAN	4.14
.13	SE(M)	.01
.51	ST DEV	.20
.12	SE(SC)	.01

COEF. OF VARIATION	4.9%
SYMMETRY---VETA I	.27
KURTOSIS---VETA II	2.98

NUMBER OF SUBJECTS 210

26H FACE BREADTH (BIZYGOMATIC)

THE PERCENTILES

THE BREADTH OF THE FACE ACROSS
THE ZYGOMATIC ARCHES

CENTIMETERS INCHES

THE SUMMARY STATISTICS

CENTIMETERS INCHES

13.20	MEAN	5.20
.04	SE(M)	.01
.53	ST DEV	.21
.03	SE(SC)	.01

COEF. OF VARIATION	4.0%
SYMMETRY---VETA I	-.21
KURTOSIS---VETA II	3.17

NUMBER OF SUBJECTS 316



14.04	95TH	5.58
13.84	90TH	5.45
13.73	85TH	5.40
13.64	80TH	5.37
13.56	75TH	5.34
13.48	70TH	5.31
13.42	65TH	5.29
13.37	60TH	5.26
13.31	55TH	5.24
13.24	50TH	5.21
13.18	45TH	5.19
13.11	40TH	5.16
13.04	35TH	5.13
12.96	30TH	5.10
12.88	25TH	5.07
12.78	20TH	5.03
12.68	15TH	4.98
12.59	10TH	4.92
12.27	5TH	4.83

SUMMARY STATISTICS FOR HEAD & FACE SUBSERIES

THE PERCENTILES

CENTIMETERS INCHES

10.47	95TH	4.12
10.29	50TH	4.05
10.16	5TH	4.00
10.06	5TH	3.96
9.97	75TH	3.92
9.88	70TH	3.89
9.81	65TH	3.86
9.74	60TH	3.83
9.67	55TH	3.81
9.60	50TH	3.78
9.54	45TH	3.75
9.47	40TH	3.73
9.40	35TH	3.70
9.33	30TH	3.67
9.26	25TH	3.65
9.18	20TH	3.61
9.09	15TH	3.58
8.98	10TH	3.53
8.82	5TH	3.47

27TH BICULAR BREADTH

THE DISTANCE BETWEEN THE OUTER CORNERS
OF THE EYES



THE SUMMARY STATISTICS

CENTIMETERS INCHES

9.62	MEAN	3.79
.03	SE(M)	.31
.50	ST DEV	.20
.02	SE(SC)	.01

COEF. OF VARIATION	5.2%
SYMMETRY---VETA I	.00
KURTOSIS---VETA II	2.64

NUMBER OF SUBJECTS 216

28TH INTERPUPILLARY DISTANCE

THE DISTANCE BETWEEN THE CENTERS
OF THE PUPILS

THE PERCENTILES

CENTIMETERS INCHES

THE SUMMARY STATISTICS

CENTIMETERS INCHES

5.82	MEAN	2.23
.03	SE(M)	.31
.44	ST DEV	.17
.72	SE(SC)	.01

COEF. OF VARIATION	7.61
SYMMETRY---VETA I	-.04
KURTOSIS---VETA II	2.94

NUMBER OF SUBJECTS 216



SUMMARY STATISTICS FOR HEAD & FACE SUBSERIES

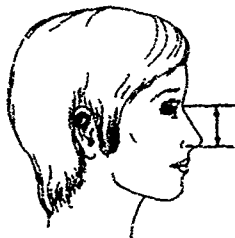
THE PERCENTILES

CENTIMETERS INCHES

5.15	95TH	1.63
5.02	90TH	1.98
4.93	85TH	1.94
4.86	80TH	1.91
4.79	75TH	1.89
4.74	70TH	1.87
4.69	65TH	1.85
4.64	60TH	1.83
4.60	55TH	1.81
4.56	50TH	1.80
4.52	45TH	1.78
4.48	40TH	1.76
4.44	35TH	1.75
4.40	30TH	1.73
4.36	25TH	1.72
4.32	20TH	1.70
4.27	15TH	1.68
4.23	10TH	1.65
4.09	5TH	1.61

PNM NOSE LENGTH

THE DISTANCE FROM THE LOWEST POINT IN THE NASAL ROOT DEPRESSION TO THE BASE OF THE NASAL SEPTUM



THE SUMMARY STATISTICS

CENTIMETERS INCHES

4.56	MEAN	1.30
.02	SE(P)	.91
.33	ST DEV	.13
.02	SE(SD)	.01

COEF. OF VARIATION	7.1%
SYMMETRY---VETA I	.24
KURTOSIS---VETA II	3.16

NUMBER OF SUBJECTS 216

3CM NOSE BREADTH

THE MAXIMUM BREADTH OF THE NOSE

THE PERCENTILES

CENTIMETERS INCHES

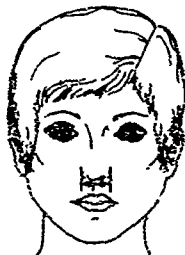
THE SUMMARY STATISTICS

CENTIMETERS INCHES

3.41	MEAN	1.34
.03	SE(P)	.01
.45	ST DEV	.18
.02	SE(SD)	.02

COEF. OF VARIATION	13.3%
SYMMETRY---VETA I	.87
KURTOSIS---VETA II	3.17

NUMBER OF SUBJECTS 216



4.32	95TH	1.71
4.14	90TH	1.63
3.97	85TH	1.56
3.82	80TH	1.50
3.68	75TH	1.42
3.51	70TH	1.39
3.45	65TH	1.36
3.40	60TH	1.34
3.35	55TH	1.32
3.30	50TH	1.30
3.26	45TH	1.28
3.22	40TH	1.27
3.17	35TH	1.25
3.13	30TH	1.23
3.09	25TH	1.21
3.04	20TH	1.20
3.00	15TH	1.18
2.96	10TH	1.16
2.87	5TH	1.13

SUMMARY STATISTICS FOR HEAD & FACE SUBSERIES

THE PERCENTILES

31H MOUTH BREADTH, SMILING

CENTIMETERS INCHES

THE DISTANCE BETWEEN THE CORNERS OF THE MOUTH
MEASURED WHILE THE SUBJECT SMILES BROADLY

6.76	95TH	2.67
6.60	90TH	2.60
6.47	85TH	2.55
6.36	80TH	2.50
6.25	75TH	2.47
6.18	70TH	2.43
6.10	65TH	2.40
6.02	60TH	2.37
5.95	55TH	2.34
5.87	50TH	2.31
5.80	45TH	2.28
5.72	40TH	2.25
5.65	35TH	2.22
5.57	30TH	2.19
5.48	25TH	2.16
5.39	20TH	2.12
5.28	15TH	2.00
5.15	10TH	2.03
4.96	5TH	1.95



THE SUMMARY STATISTICS

CENTIMETERS INCHES

5.68	MEAN	2.31
.04	SE(M)	.01
.56	ST DEV	.22
.03	SE(SS)	.01

COEF. OF VARIATION	9.5%
SYPMETRY---VETA I	.24
KURTOSIS---VETA II	2.79

NUMBER OF SUBJECTS 216

Chapter VII

STATISTICS FOR SUBSERIALS 4: THE STATIC STRENGTH MEASUREMENTS

Nine sets of static strength measurements were made on a subsample of 349 women dressed in normal indoor apparel. These measurements were made using the strength monitor developed by the Department of Industrial and Operations Engineering of the University of Michigan in Ann Arbor (Chaffin, D.K. "Ergonomics Guide," American Industrial Hygiene Association Journal, July 1975). This monitor is illustrated in Figure 7.

Six of these measurements were two-handed pulls, four of which were made with the subject standing and using the long handle (Figure 7A); the other two were made with the subject seated and using the short handle (Figure 7F). The distance between the center of the grips was 45 centimeters for the long handle and 15 centimeters for the short handle. The other three measurements were one-handed pulls made using a D-ring (Figure 7C). The grips of both handles and the D-ring were metal cylinders about 2.5 centimeters in diameter around which several layers of tape were wound. All measurements were made at a fixed distance above the floor.

Forces were measured in pounds with a strain gauge and recorded and displayed on a lifting force meter. The meter is a digital volt meter with circuitry that records a peak and a time-averaged strength score.

The average, or mean, force was obtained by evaluating the sensed force over a 3.0 second interval. This interval began 2.0 seconds after the force reached a minimum value of 10 pounds (4.5 kilograms) providing that at this time the force still exceeded this minimum. The maximum value given by the monitor was the highest value observed during the entire period in which a force was being exerted.

The nine sets of measurements were not made, as a rule, in the order in which they appear in the survey blank (Figures 5a and 5b). Because of the time and labor required in switching the handles and the D-ring, each subject started with the arrangement with which the previous subject finished. This procedure had the advantage of substantially spreading any effects of novelty and fatigue over the full set of measurements. Each measurement was made twice, each repeat measurement usually following the original one after a brief pause to allow the subject to rest. Both sets of measurements were recorded and appear in the survey statistics as MEAN FORCE 1 and 2 and PEAK FORCE 1 and 2. On a number of occasions, two or three subjects were run through these tests together. When this was the

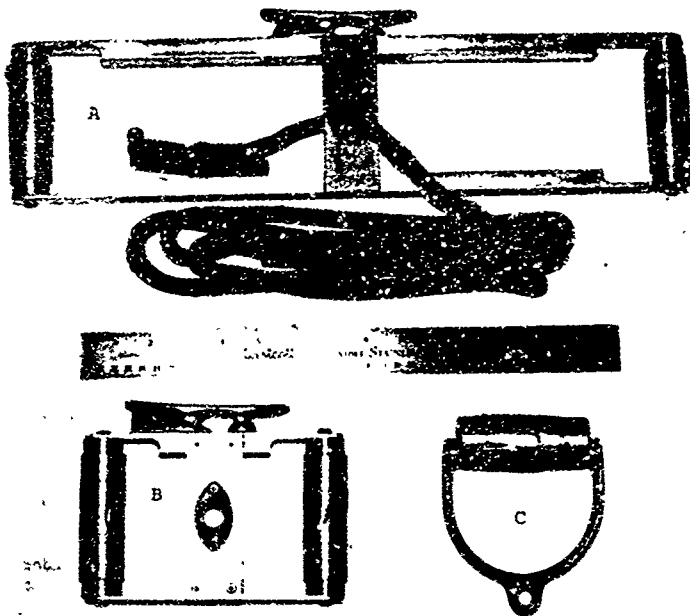


Figure 7. Strength-measuring handles:
A - long handle; B - short handle;
C - D-ring.

case, both (or all three) subjects were measured once in a particular arrangement after which the repeat measurements were made with the same subject sequence. This practice of running two or three subjects at a time considerably decreased the amount of measurer time per subject, while providing a substantial rest period between original and repeat measurements.

Members of the total sample were assigned to this subseries on a more-or-less haphazard basis. Subjects who wished not to participate in the strength measurements were free to withdraw and a few did decline to take part. One subject, while nominally participating, indicated by her attitude and her measurements that she was making no real effort, and her data were discarded.

Subjects were measured wearing their normal indoor clothing which generally included fatigues and boots. Unlike the practice followed throughout the rest of the study of always making unilateral measurements on the subject's right side, the three one-handed strength measurements were made using the subject's dominant hand--as determined by direct inquiry--and on the corresponding side of the body.

The summary statistics are presented in the next several pages in a somewhat different format than that used in the preceding chapters. For both mean strength and peak strength values, the means (M), standard deviations (SD), coefficients of variation (V), measures of symmetry (V-I) and kurtosis (V-II), and the 11 percentiles judged most relevant (5th, 10th, 15th, 25th, 35th, 50th, 65th, 75th, 85th, 90th, and 95th) are listed. The means and standard deviations are listed in pairs, the initial value being in kilograms followed, after a slash, by the pound value.

In reporting the strength data, the conventional units of kilograms and pounds have been used. However, in accordance with the International System of Units, generally known as SI, the correct unit for reporting kilograms or pounds of force is the newton. The kilogram-force values reported here may be converted to newtons by multiplying by 9.806, while the pound-force values may be converted to newtons by multiplying by 4.448.

A comparison of the strength subsample with the full sample in terms of rank, race, age, weight, and stature appears in Table 15. Frequency distributions for these data are in Appendix A and their XVAL printout in Appendix B.

TABLE 15

CHARACTERISTICS OF STATIC STRENGTH SUBSAMPLE AND TOTAL SAMPLE

a. <u>Rank</u>	<u>Subsample</u>		<u>Total Series</u>
0-4 to 0-6	5	1%	3%
0-1 to 0-3	65	25%	23%
E-7	0		1%
E-5 & E-6	17	5%	7%
E-3 & E-4	61	18%	20%
E-1 & E-2	177	51%	47%
Total	345*	100%	101%
b. <u>Age</u>	<u>Subsample</u>		<u>Total Series</u>
30 and up	28	8%	10%
24 - 30	91	26%	27%
20 - 24	108	31%	34%
17 - 20	118	34%	30%
Total	345*	99%	101%
c. <u>Race</u>	<u>Subsample</u>		<u>Total Series</u>
Whites	259	76%	75%†
Blacks	77	23%	23%
Oriental	6	2%	2%
Not Identified	3		
Total	345*	101%	100%
d. <u>Stature</u>	<u>Subsample</u>		<u>Total Series</u>
Mean	163.1 cm		162.95 cm
Standard Deviation	6.2 cm		6.51 cm
e. <u>Weight</u>	<u>Subsample</u>		<u>Total Series</u>
Mean	60.20 kg		59.47 kg
Standard Deviation	8.68 kg		8.62 kg
f. <u>Handedness</u>	<u>Subsample</u>		<u>Total Series</u>
Right	300	87%	88%
Left	33	10%	8%
Both	12	4%	4%
Total	345	101%	100%

* Background data was not available for four subjects in this subseries.

† Percentages based on those identified.

STRENGTH STATISTICAL LISTINGS

Standing Two-Handed Pull: 38 Centimeter Level



The subject stands with her feet 45 centimeters apart and her knees bent. She bends at the waist and grasps both sides of the long handle which is attached 38 centimeters above the platform and directly in front of her. She is instructed to minimize pull with her back to lessen the chance of injury. She attempts to lift the handle, primarily using the arms and shoulders but also using her legs by extending them upwards.

STRENGTH, TWO HANDED PULL, AT 38CM

SUMMARY STATISTICS

		KG	LB	KG	LB	V=26.92	V-I=	V-II=	2.8
MEAN FORCE	- 1	M=	56.6/124.8	SD=	15.2/ 33.6	V=26.92	V-I=	V-II=	2.8
MEAN FORCE	- 2	M=	58.3/128.5	SD=	15.1/ 33.2	V=25.82	V-I=	V-II=	3.2
PEAK FORCE	- 1	M=	63.7/139.6	SD=	15.4/ 35.0	V=25.12	V-I=	V-II=	2.7
PEAK FORCE	- 2	M=	65.1/143.5	SD=	15.2/ 33.5	V=23.42	V-I=	V-II=	3.2

PERCENTILES

KILOGRAMS

		5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	- 1	32.3	36.2	40.2	45.4	49.8	55.8	62.1	68.0	72.8	76.9	81.0
MEAN FORCE	- 2	33.8	39.9	42.5	48.0	52.4	58.2	63.7	67.9	73.2	77.1	83.4
PEAK FORCE	- 1	37.6	42.7	46.3	52.0	56.7	63.1	69.5	74.3	81.3	84.4	90.3
PEAK FORCE	- 2	40.5	45.6	49.2	54.7	59.0	64.9	70.7	75.0	80.6	84.5	90.6

POUNDS

		5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	- 1	71.2	81.2	88.6	100.1	109.7	123.1	138.8	147.3	160.6	169.6	183.0
MEAN FORCE	- 2	74.4	88.5	92.6	105.8	115.6	128.2	141.5	149.7	161.4	169.9	183.8
PEAK FORCE	- 1	82.9	94.1	102.2	114.7	125.0	139.5	153.2	163.8	177.0	186.6	199.2
PEAK FORCE	- 2	89.2	100.6	108.6	120.5	130.1	143.0	155.8	165.4	177.3	186.4	199.7

STRENGTH STATISTICAL LISTINGS



Standing Two-Handed Pull: 50
Centimeter Level

The subject stands with her feet 43 centimeters apart and her knees straight. She bends at the waist and grasps both sides of the long handle which is attached 50 centimeters above the platform and directly in front of her. She is instructed to minimize pull with her back to lessen the chance of injury. She attempts to lift the handle, primarily using the arms and shoulders.

STRENGTH, TWO HANDED PULL, AT 50CM

SUMMARY STATISTICS

		KG	LB	KG	LB						
MEAN FORCE	- 1	M=	55.7/122.9	SD=	16.3/ 35.9	V=25.77	V-1=	.2	V-II=	2.6	
MEAN FORCE	- 2	F=	58.8/129.6	SD=	16.8/ 37.3	V=27.37	V-1=	.3	V-II=	3.7	
PEAK FORCE	- 1	M=	62.2/137.1	SD=	16.8/ 37.3	V=27.77	V-1=	.1	V-II=	2.8	
PEAK FORCE	- 2	F=	65.3/144.0	SD=	16.4/ 36.1	V=29.12	V-1=	.1	V-II=	3.1	

PERCENTILES

KILOGRAMS

		5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	- 1	25.4	34.3	38.0	43.9	48.8	55.5	62.2	67.1	71.2	77.2	81.0
MEAN FORCE	- 2	33.3	39.5	42.1	47.5	52.0	56.8	64.5	69.3	75.4	79.6	85.7
PEAK FORCE	- 1	34.6	40.0	44.1	50.2	55.4	62.1	66.7	73.6	79.5	83.5	89.6
PEAK FORCE	- 2	38.2	43.8	47.2	53.6	58.7	65.2	71.6	76.4	82.4	86.4	92.3

POUNDS

		5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	- 1	64.7	75.5	83.7	96.7	107.6	122.3	137.1	146.0	161.4	171.2	182.9
MEAN FORCE	- 2	73.7	84.8	92.7	104.4	114.7	128.2	142.1	152.8	166.3	175.0	189.0
PEAK FORCE	- 1	76.3	88.3	97.1	110.6	122.0	136.9	151.8	162.2	175.3	184.2	197.4
PEAK FORCE	- 2	84.1	96.5	105.3	118.6	129.3	143.7	157.9	168.5	181.6	190.5	207.5

STRENGTH STATISTICAL LISTINGS



Standing Two-Handed Pull: 100
Centimeter Level

The subject stands erect with her feet 45 centimeters apart and grasps both sides of the long handle which is attached 100 centimeters above the platform and directly in front of her. She attempts to lift the handle using her arms, while keeping her knees straight and her feet firmly planted on the platform.

STRENGTH, TWO HANDED PULL, AT 100CM

SUMMARY STATISTICS

			KG	LB	KG	LB						
MEAN FORCE	-	1	F=	31.0/	68.4	SD=	8.1/	17.9	V=26.22	V-I=	.4	V-II= 3.4
MEAN FORCE	-	2	F=	30.7/	67.8	SD=	8.1/	17.7	V=26.22	V-I=	.5	V-II= 3.4
PEAK FORCE	-	1	F=	34.6/	76.3	SD=	8.5/	18.6	V=24.42	V-I=	.5	V-II= 3.5
PEAK FORCE	-	2	F=	34.6/	76.2	SD=	8.6/	19.0	V=24.92	V-I=	.7	V-II= 3.9

PERCENTILES

KILOGRAMS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	-	1	18.8	20.9	22.5	25.1	27.3	30.5	33.8	36.3	39.6	41.8	45.2
MEAN FORCE	-	2	18.9	21.0	22.5	25.0	27.0	30.0	33.2	35.8	39.1	41.5	45.1
PEAK FORCE	-	1	21.9	24.2	25.8	28.5	30.8	34.0	37.3	39.9	43.3	45.7	49.4
PEAK FORCE	-	2	22.2	24.5	26.1	28.6	30.7	33.6	36.9	39.6	43.2	45.9	50.3

POUNDS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	-	1	41.5	46.1	49.6	55.3	60.2	67.2	74.5	80.1	87.3	92.2	99.6
MEAN FORCE	-	2	41.6	46.3	49.6	55.0	59.6	66.2	73.2	78.9	86.3	91.5	99.5
PEAK FORCE	-	1	48.2	53.2	57.0	62.9	67.9	74.9	82.3	88.0	95.4	100.7	108.9
PEAK FORCE	-	2	49.0	54.0	57.5	63.0	67.6	74.2	81.4	87.2	95.3	101.2	110.9

STRENGTH STATISTICAL LISTINGS



Standing Two-Handed Push: 150 Centimeter Level

The subject stands erect with her feet 45 centimeters apart and grasps, from below, both sides of the long handle which is attached 150 centimeters above the platform and directly in front of her. She attempts to push the handle straight upward using her arms and shoulders, while keeping her knees straight and her feet firmly planted on the platform.

STRENGTH, TWO HANDED PUSH, AT 150CM

SUMMARY STATISTICS

			KG	LE	KG	L ²						
MEAN FORCE	-	1	M=	25.9/	57.1	SD=	7.1/	15.6	V=27.3%	V-I=	.8	V-II= 4.4
MEAN FORCE	-	2	M=	26.0/	57.3	SD=	7.3/	16.1	V=26.1%	V-I=	1.2	V-II= 6.0
PEAK FORCE	-	1	M=	29.6/	65.2	SD=	7.8/	17.2	V=26.7%	V-I=	1.0	V-II= 5.1
PEAK FORCE	-	2	M=	29.5/	65.0	SD=	7.7/	17.0	V=26.6%	V-I=	1.5	V-II= 5.1

ELEVENTILES

KILOGRAMS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	95TH
MEAN FORCE	-	1	15.3	17.4	18.9	21.2	23.1	25.4	27.6	29.7	32.3	34.3
MEAN FORCE	-	2	15.6	17.7	19.1	21.2	22.9	25.2	27.7	29.6	32.4	34.7
PEAK FORCE	-	1	18.3	20.6	22.2	24.6	26.5	28.6	31.4	33.3	36.2	38.6
PEAK FORCE	-	2	19.2	21.4	22.9	25.1	26.8	29.0	31.5	33.5	36.5	39.1

POUNDS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	95TH
MEAN FORCE	-	1	33.8	38.4	41.7	46.8	50.8	56.1	61.3	65.4	71.1	75.6
MEAN FORCE	-	2	34.5	38.9	42.1	46.6	50.6	55.6	61.0	65.3	71.5	76.5
PEAK FORCE	-	1	40.2	45.3	48.9	54.3	58.4	63.7	69.1	73.5	79.8	85.1
PEAK FORCE	-	2	42.2	47.1	51.4	55.2	59.0	64.0	69.3	73.8	80.5	86.2

STRENGTH STATISTICAL LISTINGS



Standing One-Handed Pull: 100 Centimeter Level (D-Ring)

The subject stands erect with her feet 15 centimeters apart. With her dominant hand (right, if she has reported that she is ambidextrous), she grasps, from the underside, the D-ring which is attached 100 centimeters above the platform and at a point just to the right (or left, as is appropriate) of her body. She attempts to lift the D-ring, primarily using her arm while keeping her shoulders square, her feet firmly planted on the platform, and her other arm relaxed at her side.

STRENGTH, ONE HANDED PULL, DOMINANT SIDE, AT 100CM

SUMMARY STATISTICS

			KG	LE	KG	LG					
MEAN FORCE	-	1	M=	19.0/ 41.6	SD=	5.8/ 12.7	V=26.3%	V-I=	.6	V-II=	3.7
MEAN FORCE	-	2	M=	18.8/ 41.4	SD=	6.1/ 13.4	V=32.4%	V-I=	1.1	V-II=	5.5
PEAK FORCE	-	1	M=	22.2/ 48.9	SD=	6.4/ 14.2	V=28.9%	V-I=	.7	V-II=	4.0
PEAK FORCE	-	2	M=	22.1/ 48.6	SD=	6.8/ 14.9	V=30.6%	V-I=	1.1	V-II=	6.0

PERCENTILES

KILCGRAMS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	-	1	10.4	11.9	12.5	14.6	16.3	18.5	20.8	22.5	24.8	26.4	28.9
MEAN FORCE	-	2	10.5	11.9	12.8	14.2	15.6	18.2	20.5	22.7	25.0	26.0	28.7
PEAK FORCE	-	1	13.3	14.7	15.6	17.0	18.7	21.9	24.8	26.5	28.5	30.3	32.4
PEAK FORCE	-	2	13.4	14.5	15.2	17.0	18.5	21.7	24.2	26.1	28.8	30.3	32.9

POUNDS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	-	1	23.0	26.2	28.6	32.8	36.0	40.8	45.8	49.6	54.7	58.2	63.8
MEAN FORCE	-	2	23.1	26.7	28.2	31.2	34.5	40.1	45.3	50.0	55.1	57.2	63.3
PEAK FORCE	-	1	29.3	32.3	34.3	37.4	41.2	48.2	54.7	58.5	62.8	66.8	71.4
PEAK FORCE	-	2	29.6	31.9	33.5	37.4	40.8	47.7	53.3	57.5	63.5	66.9	72.5

STRENGTH STATISTICAL LISTINGS

Seated One-Handed Pull: Centerline of Seat, 45-Centimeter Level (D-Ring)



The subject sits erect with her feet 55 centimeters apart. With her dominant hand, she grasps, from the underside, the D-ring which is attached 45 centimeters above the platform, just forward of the chair in its vertical midplane. She attempts to lift the D-ring, keeping her shoulders square, her feet firmly planted on the platform, and her other arm resting in her lap and not grasping the underneath side of the chair.

STRENGTH, ONE HANDED FULL, SEATED-CENTERLINE, AT 45CM

SUMMARY STATISTICS

			KG	LB	KG	LB						
MEAN FORCE	-	1	F=	22.6/	49.9	SD=	9.0/	19.7	V=26.6%	V-I=	.7	V-II= 3.0
MEAN FORCE	-	2	F=	23.1/	50.9	SD=	9.1/	20.1	V=29.5%	V-I=	.6	V-II= 2.7
PEAK FORCE	-	1	F=	26.7/	58.6	SD=	16.2/	35.5	V=26.6%	V-I=	.7	V-II= 2.7
PEAK FORCE	-	2	F=	27.1/	59.7	SD=	16.1/	35.3	V=27.4%	V-I=	.5	V-II= 2.0

PERCENTILES

KILOGRAMS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	-	1	10.8	12.3	13.5	15.6	17.7	21.0	24.9	28.2	32.5	35.5	39.7
MEAN FORCE	-	2	10.3	12.0	13.4	15.9	19.3	21.9	25.9	29.1	33.3	36.1	40.0
PEAK FORCE	-	1	12.9	14.6	16.0	18.6	21.1	25.0	29.4	33.1	37.9	41.1	45.7
PEAK FORCE	-	2	13.0	14.7	16.2	19.0	21.6	25.7	30.3	34.0	38.7	41.3	45.9

POUNDS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	-	1	23.9	27.1	29.7	34.4	39.0	46.4	55.0	62.1	71.6	78.1	87.5
MEAN FORCE	-	2	22.8	26.5	29.6	35.1	40.2	48.2	57.1	64.2	73.4	79.6	88.1
PEAK FORCE	-	1	28.3	32.2	35.3	41.0	46.5	55.1	64.9	72.9	83.4	90.6	100.8
PEAK FORCE	-	2	28.6	32.5	35.8	41.9	47.6	56.6	66.8	75.0	85.4	92.2	101.3

STRENGTH STATISTICAL LISTINGS

Seated One-Handed Pull: Side of Seat, 45-Centimeter Level (D-Ring)



The subject sits erect with her feet 55 centimeters apart. With her dominant hand, she grasps, from the underside, the D-ring which is attached 45 centimeters above the platform and a short distance to the right (or left, as is appropriate) of the point midway between the maximal protrusion of the buttock and knee. She attempts to lift the D-ring, keeping her shoulders square, her feet firmly planted on the platform, and her other arm resting in her lap.

STRENGTH, ONE HANDED PULL, SEATED-AT SIDE, AT 45CM

SUMMARY STATISTICS

			KG	LB		KG	LB					
MEAN FORCE	-	1	M=	21.4/	47.1	SD=	7.2/	15.8	V=33.6%	V-I=	.6	V-II= 3.3
MEAN FORCE	-	2	F=	21.8/	48.1	SD=	7.1/	15.6	V=32.6%	V-I=	.4	V-II= 3.7
PEAK FORCE	-	1	M=	25.1/	55.4	SD=	8.7/	19.0	V=32.5%	V-I=	.5	V-II= 2.9
PEAK FORCE	-	2	F=	25.6/	56.3	SD=	7.9/	17.4	V=30.0%	V-I=	.4	V-II= 2.8

PERCENTILES

KILOGRAMS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	-	1	11.1	12.8	14.1	16.1	17.9	20.6	23.4	25.8	28.8	31.0	34.4
MEAN FORCE	-	2	10.8	12.6	14.2	16.5	18.5	21.3	24.2	26.5	29.3	31.2	34.0
PEAK FORCE	-	1	13.7	15.5	16.9	19.0	21.0	24.1	27.5	30.4	34.1	36.6	40.3
PEAK FORCE	-	2	13.5	15.7	17.2	19.6	21.8	24.9	28.3	31.0	34.3	36.5	39.5

POUNDS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	-	1	24.5	28.2	31.0	35.5	39.5	45.3	51.7	56.8	63.6	66.4	75.2
MEAN FORCE	-	2	23.9	28.1	31.3	36.3	40.7	46.9	53.4	58.4	64.6	68.3	74.9
PEAK FORCE	-	1	30.2	34.3	37.2	42.6	46.4	53.1	60.7	67.0	75.2	81.8	88.7
PEAK FORCE	-	2	30.1	34.5	37.9	43.3	48.0	55.0	62.4	68.3	75.6	80.4	87.1

STRENGTH STATISTICAL LISTINGS



Seated Two-Handed Pull: Centerline of Seat, 38-Centimeter Level (Short Handle)

The subject sits erect with her feet 55 centimeters apart. She bends slightly at the waist and grasps both sides of the short handle which is attached 38 centimeters above the platform at a point just forward of the chair and in its vertical mid-plane. She attempts to lift the handle, primarily using her arms and shoulders while keeping her feet flat and her arms off her thighs.

STRENGTH, TWO HANDED PULL, SEATED, AT 38CM

SUMMARY STATISTICS

			KG	LE	KG	LR						
MEAN FORCE	-	1	M=	47.6/115.0	SD=	16.0/ 35.2	V=33.5%	V-I=	.4	V-II=	3.1	
MEAN FORCE	-	2	M=	44.2/118.5	SD=	16.4/ 36.1	V=32.3%	V-I=	.5	V-II=	3.1	
PEAK FORCE	-	1	M=	53.7/118.5	SD=	16.7/ 36.7	V=31.7%	V-I=	.3	V-II=	2.5	
PEAK FORCE	-	2	M=	55.5/122.3	SD=	17.2/ 37.9	V=31.0%	V-I=	.4	V-II=	2.7	

PERCENTILES

KILOGRAMS

		5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	95TH	99TH
MEAN FORCE	- 1	22.3	27.7	30.9	36.1	40.5	46.6	52.9	57.9	64.3	68.8	75.9
MEAN FORCE	- 2	24.6	28.9	32.1	37.3	41.7	47.5	54.5	59.6	66.3	71.1	78.6
PEAK FORCE	- 1	28.0	32.8	36.3	41.7	46.3	52.7	59.5	64.7	71.5	76.2	83.7
PEAK FORCE	- 2	29.0	33.9	37.4	43.0	47.7	54.2	61.1	66.4	73.4	78.3	85.5

POUNDS

		5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	95TH	99TH
MEAN FORCE	- 1	51.4	61.0	68.2	79.6	89.2	102.7	116.7	127.5	141.7	151.7	167.2
MEAN FORCE	- 2	54.3	63.6	70.7	82.1	91.9	105.6	120.1	131.4	146.3	156.8	173.2
PEAK FORCE	- 1	61.8	72.4	80.0	92.0	102.1	116.2	131.1	142.7	157.6	168.3	183.6
PEAK FORCE	- 2	64.7	74.7	82.5	94.8	105.1	119.6	134.7	146.4	161.7	172.5	189.2

STRENGTH STATISTICAL LISTINGS

Seated One-Handed Pull: Side of Seat, 45-Centimeter Level (D-Ring)



The subject sits erect with her feet 55 centimeters apart. With her dominant hand, she grasps, from the underside, the D-ring which is attached 45 centimeters above the platform and a short distance to the right (or left, as is appropriate) of the point midway between the maximal protrusion of the buttock and knee. She attempts to lift the D-ring, keeping her shoulders square, her feet firmly planted on the platform, and her other arm resting in her lap.

STRENGTH, ONE HANDED PULL, SEATED-AT SIDE, AT 45CM

SUMMARY STATISTICS

			KG	LB		KG	LB						
MEAN FORCE	-	1	M=	21.4/	47.1	SD=	7.2/	15.8	V=33.62	V-I=	.6	V-II=	1.1
MEAN FORCE	-	2	M=	21.8/	48.1	SD=	7.1/	15.6	V=32.62	V-I=	.4	V-II=	1.1
PEAK FORCE	-	1	M=	25.1/	55.4	SD=	8.2/	18.0	V=37.57	V-I=	.5	V-II=	2.0
PEAK FORCE	-	2	M=	25.6/	56.3	SD=	7.9/	17.4	V=36.92	V-I=	.4	V-II=	2.0

PERCENTILES

KILOGRAMS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	-	1	11.1	12.6	14.1	16.1	17.9	20.6	23.4	25.8	28.8	31.0	34.4
MEAN FORCE	-	2	10.8	12.4	14.2	16.5	18.5	21.3	24.2	26.5	29.3	31.2	34.0
PEAK FORCE	-	1	13.7	15.5	16.9	19.0	21.0	24.1	27.5	30.4	34.1	36.5	40.3
PEAK FORCE	-	2	13.6	15.7	17.2	19.6	21.8	24.9	28.3	31.0	34.3	36.5	39.5

POUNDS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	-	1	24.5	28.2	31.0	35.8	39.5	45.3	51.7	56.8	63.6	68.4	75.8
MEAN FORCE	-	2	23.9	28.1	31.3	36.3	40.7	46.9	53.4	58.4	64.6	68.8	74.9
PEAK FORCE	-	1	30.2	34.3	37.2	42.6	46.4	53.1	60.7	67.0	75.2	81.8	88.7
PEAK FORCE	-	2	30.1	34.5	37.9	43.3	48.0	55.0	62.4	68.3	75.6	80.4	87.1

STRENGTH STATISTICAL LISTINGS

Seated Two-Handed Pull: Centerline of Seat, 38-Centimeter Level (Short Handle)



The subject sits erect with her feet 55 centimeters apart. She bends slightly at the waist and grasps both sides of the short handle which is attached 38 centimeters above the platform at a point just forward of the chair and in its vertical mid-plane. She attempts to lift the handle, primarily using her arms and shoulders while keeping her feet flat and her arms off her thighs.

STRENGTH, TWO HANDED PULL, SEATED, AT 38CM

SUMMARY STATISTICS

			KG	LB	KG	LB						
MEAN FORCE	-	1	M=	47.6/105.0	SD=	16.0/35.2	V=32.52	V-I=	.4	V-II=	3.1	
MEAN FORCE	-	2	P=	49.2/108.5	SD=	16.4/36.1	V=32.32	V-I=	.5	V-II=	3.1	
PEAK FORCE	-	1	M=	53.7/118.6	SD=	16.7/36.7	V=31.77	V-I=	.3	V-II=	2.9	
PEAK FORCE	-	2	P=	55.5/122.3	SD=	17.2/37.9	V=31.62	V-I=	.4	V-II=	2.9	

PERCENTILES

KILOGRAMS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	-	1	21.3	27.7	30.8	36.1	40.5	46.6	52.9	57.9	64.3	68.8	75.8
MEAN FORCE	-	2	24.6	28.9	32.1	37.3	41.7	47.5	54.5	59.6	66.3	71.1	78.6
PEAK FORCE	-	1	28.0	32.8	36.3	41.7	46.3	52.7	58.5	64.7	71.5	76.2	83.7
PEAK FORCE	-	2	29.0	33.9	37.4	43.6	47.7	54.2	61.1	66.4	73.4	78.3	86.6

POUNDS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	-	1	51.4	61.0	68.2	79.8	89.2	102.7	116.7	127.5	141.7	151.7	167.2
MEAN FORCE	-	2	54.3	63.8	70.7	82.1	91.9	105.6	120.1	131.4	146.3	156.8	173.2
PEAK FORCE	-	1	61.8	72.4	81.6	92.0	102.1	116.2	131.1	142.7	157.6	168.3	183.6
PEAK FORCE	-	2	64.7	74.7	82.5	94.8	105.2	119.6	134.7	146.4	161.7	172.5	189.2

STRENGTH STATISTICAL LISTINGS

Seated Two-Handed Pull: Centerline of Seat, 50-Centimeter Level (Short Handle)



The subject sits erect with her feet 55 centimeters apart. She bends slightly at the waist and grasps both sides of the short handle which is attached 50 centimeters above the platform at a point just forward of the chair and in its vertical mid-plane. She attempts to lift the handle, primarily using her arms and shoulders while keeping her feet flat and her arms off her thighs.

STRENGTH, TWO HANDED PULL, SEATED, AT SCOP

SUMMARY STATISTICS

			KG	LB	KG	LB						
MEAN FORCE	-	1	M=	39.5/ 57.8	SD=	13.2/ 28.6	V=	32.67	V-I=	.3	V-II=	2.8
MEAN FORCE	-	2	F=	40.6/ 55.9	SD=	13.2/ 29.0	V=	32.72	V-I=	.3	V-II=	2.7
PEAK FORCE	-	1	M=	45.2/ 99.5	SD=	13.9/ 30.7	V=	36.67	V-I=	.4	V-II=	3.1
PEAK FORCE	-	2	F=	45.0/ 99.3	SD=	14.3/ 31.5	V=	31.12	V-I=	.4	V-II=	2.5

PERCENTILES

KILOGRAMS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	-	1	20.0	23.4	26.1	30.4	34.0	39.1	44.3	48.3	53.5	57.2	62.8
MEAN FORCE	-	2	20.8	24.1	26.7	30.8	34.5	39.8	45.4	49.6	55.3	59.1	64.4
PEAK FORCE	-	1	24.2	27.1	29.5	34.7	38.6	44.6	50.6	55.2	59.0	62.3	67.5
PEAK FORCE	-	2	24.1	28.0	30.9	35.5	39.4	45.3	51.7	56.2	61.0	65.0	71.1

POUNDS

			5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH
MEAN FORCE	-	1	44.3	51.6	57.5	66.9	74.9	86.1	97.7	106.6	119.0	126.1	135.5
MEAN FORCE	-	2	45.9	53.1	58.8	68.0	76.1	87.0	100.7	109.8	122.0	130.2	142.6
PEAK FORCE	-	1	53.3	59.7	65.9	76.4	85.1	98.3	112.1	121.7	130.6	137.3	149.4
PEAK FORCE	-	2	53.2	61.7	68.0	78.2	86.9	99.1	111.9	121.7	134.4	143.3	156.7

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APPENDIX A

FREQUENCY DISTRIBUTIONS FOR ALL MEASUREMENTS

A frequency table is given in this appendix for each set of measurement data. These are the tables used in the computation of the percentile values. Interval widths were chosen so that the number of intervals in each table did not exceed 50. Where appropriate, interval widths of five or ten millimeters were used; when this was done, the lower limits of the intervals were selected so that they had values ending in 0.25 centimeters or 0.75 centimeters to minimize the effect of any possible overuse of 0's or 5's as final digits. Measurement values were treated as though they extended over a range of from half a unit below the recorded value to half a unit above it. Because of this way of handling the data, the limits of the frequency table will exceed those of the recorded data at both ends of the scale. Actual recorded maximum and minimum values can be found in the XVAL printouts in Appendix B.

In each table, the actual frequencies are listed in the columns labeled FRQ, the cumulative frequencies in the columns headed CUMF, the frequencies expressed as percentages of the total count in the columns headed FRQX, and the cumulative percents in the columns headed CUMFX.

A-1. FREQUENCY TABLES FOR CORE MEASUREMENTS

2C STATURE

1C		WEIGHT (IN POUNDS)		RANGES		FREQ	CUMF	FREQ	CUMF
RANGES		FREQ	CUMF	FREQ	CUMF				
274.50-275.50	1	1331	.08	100.00	183.75-184.75	1	1331	.08	100.00
269.50-274.50	0	1330	0.00	99.92	182.75-183.75	0	1330	0.00	99.92
264.50-269.50	0	1330	0.00	99.92	181.75-182.75	1	1331	.08	99.92
259.50-264.50	0	1330	0.00	99.92	180.75-181.75	3	1329	.23	99.85
254.50-259.50	0	1330	0.00	99.92	179.75-180.75	3	1326	.23	99.62
249.50-254.50	0	1330	0.00	99.92	178.75-179.75	3	1323	.23	99.40
244.50-249.50	0	1330	0.00	99.92	177.75-178.75	7	1321	.53	99.17
239.50-244.50	0	1330	0.00	99.92	176.75-177.75	8	1313	.60	98.65
234.50-239.50	0	1330	0.00	99.92	175.75-176.75	12	1305	.90	98.05
229.50-234.50	0	1330	0.00	99.92	174.75-175.75	17	1293	1.28	97.15
224.50-229.50	0	1330	0.00	99.92	173.75-174.75	25	1276	1.88	95.87
219.50-224.50	0	1330	0.00	99.92	172.75-173.75	15	1251	1.13	93.99
214.50-219.50	1	1331	.08	99.92	171.75-172.75	35	1236	2.63	92.66
209.50-214.50	1	1329	.08	99.85	170.75-171.75	36	1201	2.70	90.23
204.50-209.50	1	1326	.08	99.77	169.75-170.75	33	1165	2.48	87.53
199.50-204.50	2	1327	.15	99.70	168.75-169.75	54	1137	4.26	85.05
194.50-199.50	1	1325	.08	99.55	167.75-168.75	45	1074	3.38	80.99
189.50-194.50	5	1324	.38	99.47	166.75-167.75	61	1034	4.58	77.61
184.50-189.50	1	1319	.08	99.10	165.75-166.75	79	972	5.94	71.03
179.50-184.50	9	1318	.88	99.62	164.75-165.75	76	693	5.71	67.09
174.50-179.50	8	1309	.60	98.35	163.75-164.75	79	817	5.94	61.38
169.50-174.50	11	1301	.83	97.75	162.75-163.75	77	738	5.79	55.45
164.50-169.50	15	1290	1.13	96.92	161.75-162.75	74	661	5.56	49.66
159.50-164.50	34	1275	2.55	95.79	160.75-161.75	79	587	5.94	44.19
154.50-159.50	55	1241	4.13	93.24	159.75-160.75	76	503	5.86	39.17
149.50-154.50	70	1166	5.26	89.11	158.75-159.75	69	431	5.18	32.31
144.50-149.50	96	1116	7.21	83.85	157.75-158.75	85	361	6.39	27.12
139.50-144.50	114	1020	8.56	76.63	156.75-157.75	51	276	7.83	20.74
134.50-139.50	142	936	10.67	68.67	155.75-156.75	55	225	4.13	16.90
129.50-134.50	145	764	10.89	57.40	154.75-155.75	33	170	2.48	12.77
124.50-129.50	133	619	9.99	46.51	153.75-154.75	29	137	2.97	10.29
119.50-124.50	157	486	11.80	36.51	152.75-153.75	28	98	2.10	7.36
114.50-119.50	93	329	6.78	24.72	151.75-152.75	26	70	1.50	5.26
109.50-114.50	92	239	6.91	17.96	150.75-151.75	15	50	1.13	3.76
104.50-109.50	64	167	4.81	11.64	149.75-150.75	11	35	.75	2.63
99.50-104.50	43	83	3.23	6.24	148.75-149.75	5	25	.68	1.68
94.50-99.50	25	40	1.88	3.41	147.75-148.75	5	16	.34	1.23
89.50-94.50	11	15	.83	1.13	146.75-147.75	4	11	.33	.83
84.50-89.50	4	4	.30	.30	145.75-146.75	4	7	.30	.53
					144.75-145.75	2	3	.15	.23
					143.75-144.75	0	1	0.00	.08
					142.75-143.75	0	1	0.00	.08
					141.75-142.75	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

3C SHOULDER HEIGHT

RANGES	FREQ	CLPF	FRQX	CUMFX
154.75-155.75	1	1331	.00	110.00
153.75-154.75	0	1330	0.00	99.92
152.75-153.75	0	1330	0.00	99.92
151.75-152.75	0	1330	0.00	99.92
150.75-151.75	2	1330	.15	99.92
149.75-150.75	0	1328	0.00	99.77
148.75-149.75	4	1328	.30	99.77
147.75-148.75	3	1324	.23	99.47
146.75-147.75	8	1321	.60	99.25
145.75-146.75	12	1313	.90	98.65
144.75-145.75	18	1301	1.35	97.75
143.75-144.75	25	1283	1.88	96.39
142.75-143.75	20	1258	1.50	94.52
141.75-142.75	20	1238	1.50	93.01
140.75-141.75	50	1218	3.76	91.51
139.75-140.75	44	1168	3.31	87.75
138.75-139.75	47	1124	3.53	84.45
137.75-138.75	63	1077	4.73	80.92
136.75-137.75	71	1014	5.33	76.18
135.75-136.75	67	943	5.03	70.85
134.75-135.75	94	876	7.08	65.82
133.75-134.75	73	782	5.48	58.75
132.75-133.75	50	709	6.76	53.27
131.75-132.75	106	619	7.96	46.51
130.75-131.75	77	513	5.79	38.54
129.75-130.75	72	436	5.41	32.76
128.75-129.75	71	364	5.33	27.35
127.75-128.75	59	293	4.43	22.01
126.75-127.75	60	234	4.51	17.58
125.75-126.75	43	174	3.23	13.07
124.75-125.75	33	131	2.48	9.84
123.75-124.75	30	98	2.25	7.36
122.75-123.75	26	68	1.95	5.11
121.75-122.75	17	42	1.25	3.16
120.75-121.75	10	25	.75	1.88
119.75-120.75	7	15	.53	1.13
118.75-119.75	5	8	.38	.60
117.75-118.75	2	3	.15	.23
116.75-117.75	0	1	0.00	.08
115.75-116.75	0	1	0.00	.08
114.75-115.75	1	1	.08	.08

4C AXILLA HEIGHT

RANGES	FREQ	CUMF	FRQX	CUMFX
141.75-142.75	1	1331	.00	109.00
140.75-141.75	0	1330	0.00	99.92
139.75-140.75	1	1330	.38	99.92
138.75-139.75	1	1329	.08	99.65
137.75-138.75	2	1328	.15	99.77
136.75-137.75	4	1326	.30	99.62
135.75-136.75	6	1322	.45	99.32
134.75-135.75	14	1310	1.05	98.67
133.75-134.75	20	1302	1.59	97.82
132.75-133.75	22	1282	1.65	96.32
131.75-132.75	15	1260	1.13	94.67
130.75-131.75	37	1245	2.78	92.54
129.75-130.75	44	1219	3.31	90.76
128.75-129.75	64	1164	4.81	87.45
127.75-128.75	52	1100	3.98	82.64
126.75-127.75	66	1047	4.96	78.66
125.75-126.75	72	981	5.41	73.70
124.75-125.75	50	909	6.76	68.29
123.75-124.75	28	819	6.61	61.53
122.75-123.75	56	731	7.21	54.92
121.75-122.75	116	635	7.96	47.71
120.75-121.75	85	529	6.39	39.74
119.75-120.75	83	444	6.24	33.36
118.75-119.75	85	361	6.39	27.12
117.75-118.75	59	276	4.43	20.74
116.75-117.75	60	217	4.51	16.30
115.75-116.75	38	157	2.85	11.20
114.75-115.75	26	119	2.70	8.54
113.75-114.75	27	83	2.03	6.24
112.75-113.75	24	56	1.80	4.21
111.75-112.75	9	32	.68	2.46
110.75-111.75	11	23	.83	1.73
109.75-110.75	5	12	.38	.60
108.75-109.75	3	7	.23	.53
107.75-108.75	3	4	.23	.30
106.75-107.75	0	1	0.00	.08
105.75-106.75	0	1	0.00	.08
104.75-105.75	0	1	0.00	.08
103.75-104.75	1	1	.28	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

EC ELSTFCINT HEIGHT

RANGES	FRO	CLPF	FRCZ	CUMFX
135.75-136.75	1	1331	.08	100.00
134.75-135.75	0	1330	0.00	99.92
133.75-134.75	3	1330	.23	99.92
132.75-133.75	3	1327	.23	99.70
131.75-132.75	4	1324	.30	99.47
130.75-131.75	6	1320	.45	99.17
129.75-130.75	13	1314	.98	98.72
128.75-129.75	22	1301	1.72	97.75
127.75-128.75	21	1278	1.50	96.02
126.75-127.75	30	1257	2.25	94.44
125.75-126.75	26	1227	1.95	92.19
124.75-125.75	39	1201	2.93	90.23
123.75-124.75	46	1162	3.46	87.30
122.75-123.75	63	1116	4.73	83.85
121.75-122.75	78	1053	5.36	79.11
120.75-121.75	73	975	5.48	73.25
119.75-120.75	52	932	6.91	67.77
118.75-119.75	92	810	6.91	60.86
117.75-118.75	104	718	7.61	53.94
116.75-117.75	86	614	6.46	46.13
115.75-116.75	81	526	6.09	39.67
114.75-115.75	89	447	6.65	33.58
113.75-114.75	68	358	5.61	26.90
112.75-113.75	60	270	4.51	20.29
111.75-112.75	41	210	3.06	15.78
110.75-111.75	46	169	3.46	12.70
109.75-110.75	36	123	2.70	9.24
108.75-109.75	28	87	2.10	6.54
107.75-108.75	27	59	2.03	4.43
106.75-107.75	15	32	1.13	2.40
105.75-106.75	6	17	.45	1.28
104.75-105.75	6	11	.45	.83
103.75-104.75	1	5	.08	.38
102.75-103.75	0	4	0.00	.30
101.75-102.75	3	4	.22	.30
100.75-101.75	0	1	0.00	.08
99.75-100.75	0	1	0.00	.08
98.75-99.75	1	1	.08	.06

EC WAIST HEIGHT

RANGES	FRO	CUMF	FRCZ	CUMFX
120.75-121.75	1	1331	.09	100.00
119.75-120.75	0	1330	0.00	99.92
118.75-119.75	1	1330	.08	99.92
117.75-118.75	0	1329	1.00	99.85
116.75-117.75	0	1329	0.00	99.85
115.75-116.75	2	1329	.15	99.85
114.75-115.75	4	1327	.30	99.70
113.75-114.75	9	1323	.68	99.40
112.75-113.75	7	1314	.53	98.72
111.75-112.75	16	1307	1.23	98.20
110.75-111.75	22	1291	1.65	96.99
109.75-110.75	25	1269	1.89	95.24
108.75-109.75	23	1244	1.73	93.46
107.75-108.75	46	1221	3.46	91.74
106.75-107.75	38	1175	2.85	88.28
105.75-106.75	70	1137	5.26	85.42
104.75-105.75	65	1067	4.58	81.17
103.75-104.75	67	1002	5.03	75.28
102.75-103.75	100	935	7.51	70.25
101.75-102.75	113	835	8.49	62.73
100.75-101.75	115	772	8.64	54.24
99.75-100.75	112	617	8.41	45.52
98.75-99.75	50	495	6.39	37.19
97.75-98.75	55	410	7.14	30.20
96.75-97.75	69	315	5.18	23.67
95.75-96.75	63	246	4.73	16.48
94.75-95.75	44	183	3.31	13.75
93.75-94.75	50	139	3.76	10.44
92.75-93.75	38	69	2.85	6.69
91.75-92.75	20	51	1.50	3.23
90.75-91.75	8	31	.60	2.33
89.75-90.75	9	23	.68	1.73
88.75-89.75	5	14	.38	1.25
87.75-88.75	4	9	.30	.68
86.75-87.75	3	5	.23	.38
85.75-86.75	1	2	.08	.15
84.75-85.75	1	1	.09	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

9C KNEECAP HEIGHT

RANGES	FREQ	CUMF	FREQ	CUMF%
57.75- 58.25	1	1331	.05	100.00
57.25- 57.75	0	1330	0.00	99.92
56.75- 57.25	2	1330	.15	99.92
56.25- 56.75	0	1328	0.00	99.77
55.75- 56.25	0	1328	0.00	99.77
55.25- 55.75	0	1328	0.00	99.77
54.75- 55.25	4	1328	.30	99.77
54.25- 54.75	4	1324	.30	99.47
53.75- 54.25	12	1320	.90	99.17
53.25- 53.75	12	1307	.90	98.20
52.75- 53.25	17	1295	1.20	97.30
52.25- 52.75	23	1270	1.73	96.02
51.75- 52.25	30	1255	2.25	94.29
51.25- 51.75	44	1225	3.31	92.04
50.75- 51.25	57	1181	4.28	88.73
50.25- 50.75	54	1124	4.06	84.45
49.75- 50.25	56	1070	4.21	80.39
49.25- 49.75	74	1014	5.56	76.18
48.75- 49.25	80	940	6.01	70.62
48.25- 48.75	94	860	7.06	64.61
47.75- 48.25	104	766	7.81	57.55
47.25- 47.75	100	662	7.51	49.74
46.75- 47.25	89	562	6.65	42.22
46.25- 46.75	117	473	8.79	35.54
45.75- 46.25	83	356	6.24	26.75
45.25- 45.75	60	273	4.51	20.51
44.75- 45.25	67	213	5.03	16.00
44.25- 44.75	43	146	3.23	10.97
43.75- 44.25	42	103	3.16	7.74
43.25- 43.75	24	61	1.80	4.58
42.75- 43.25	9	37	.68	2.76
42.25- 42.75	13	28	.98	2.10
41.75- 42.25	6	15	.45	1.13
41.25- 41.75	4	9	.30	.68
40.75- 41.25	2	5	.15	.38
40.25- 40.75	1	3	.08	.23
39.75- 40.25	0	2	0.00	.15
39.25- 39.75	2	2	.15	.15

10C CALF HEIGHT

RANGES	FREQ	CUMF	FREQ	CUMF%
40.25- 40.75	1	1331	.08	100.00
39.75- 40.25	0	1330	0.00	99.92
39.25- 39.75	0	1330	0.00	99.92
38.75- 39.25	2	1330	.15	99.92
38.25- 38.75	10	1324	.75	99.77
37.75- 38.25	9	1316	.68	99.12
37.25- 37.75	16	1309	1.20	98.35
36.75- 37.25	22	1293	1.65	97.15
36.25- 36.75	28	1271	2.10	95.49
35.75- 36.25	42	1243	3.16	93.39
35.25- 35.75	45	1201	3.38	90.23
34.75- 35.25	43	1156	3.23	86.85
34.25- 34.75	77	1113	5.79	81.62
33.75- 34.25	50	1036	6.76	77.84
33.25- 33.75	58	946	7.36	71.07
32.75- 33.25	107	844	9.04	63.71
32.25- 32.75	120	741	9.02	55.67
31.75- 32.25	110	621	9.24	46.66
31.25- 31.75	109	511	8.19	38.19
30.75- 31.25	102	402	7.00	30.20
30.25- 30.75	88	304	6.61	22.54
29.75- 30.25	73	212	5.48	15.93
29.25- 29.75	57	139	4.28	10.44
28.75- 29.25	31	82	2.33	6.16
28.25- 28.75	24	51	1.80	3.83
27.75- 28.25	15	27	1.13	2.03
27.25- 27.75	2	12	.15	.90
26.75- 27.25	3	10	.23	.75
26.25- 26.75	5	7	.38	.53
25.75- 26.25	1	2	.09	.15
25.25- 25.75	1	1	.08	.68

FREQUENCY TABLES FOR CORE MEASUREMENTS

9C KNEECAP HEIGHT

RANGES	FREQ	CUMF	FREQ	CUMF%
57.75- 58.25	1	1331	.05	100.00
57.25- 57.75	0	1330	0.00	99.92
56.75- 57.25	2	1330	.15	99.92
56.25- 56.75	0	1328	0.00	99.77
55.75- 56.25	0	1328	0.00	99.77
55.25- 55.75	0	1328	0.00	99.77
54.75- 55.25	4	1328	.30	99.77
54.25- 54.75	4	1324	.30	99.47
53.75- 54.25	12	1320	.90	99.17
53.25- 53.75	12	1307	.90	98.20
52.75- 53.25	17	1295	1.20	97.30
52.25- 52.75	23	1270	1.73	96.02
51.75- 52.25	30	1255	2.25	94.29
51.25- 51.75	44	1225	3.31	92.04
50.75- 51.25	57	1181	4.28	88.73
50.25- 50.75	54	1124	4.06	84.45
49.75- 50.25	56	1070	4.21	80.39
49.25- 49.75	74	1014	5.56	76.18
48.75- 49.25	80	940	6.01	70.62
48.25- 48.75	94	860	7.06	64.61
47.75- 48.25	104	766	7.81	57.55
47.25- 47.75	100	662	7.51	49.74
46.75- 47.25	89	562	6.65	42.22
46.25- 46.75	117	473	8.79	35.54
45.75- 46.25	83	356	6.24	26.75
45.25- 45.75	60	273	4.51	20.51
44.75- 45.25	67	213	5.03	16.00
44.25- 44.75	43	146	3.23	10.97
43.75- 44.25	42	103	3.16	7.74
43.25- 43.75	24	61	1.80	4.58
42.75- 43.25	9	37	.68	2.76
42.25- 42.75	13	28	.98	2.10
41.75- 42.25	6	15	.45	1.13
41.25- 41.75	4	9	.30	.68
40.75- 41.25	2	5	.15	.38
40.25- 40.75	1	3	.08	.23
39.75- 40.25	0	2	0.00	.15
39.25- 39.75	2	2	.15	.15

10C CALF HEIGHT

RANGES	FREQ	CUMF	FREQ	CUMF%
40.25- 40.75	1	1331	.08	100.00
39.75- 40.25	0	1330	0.00	99.92
39.25- 39.75	0	1330	0.00	99.92
38.75- 39.25	2	1330	.15	99.92
38.25- 38.75	10	1324	.75	99.77
37.75- 38.25	9	1316	.68	99.12
37.25- 37.75	16	1309	1.20	98.35
36.75- 37.25	22	1293	1.65	97.15
36.25- 36.75	28	1271	2.10	95.49
35.75- 36.25	42	1243	3.16	93.39
35.25- 35.75	45	1201	3.38	90.23
34.75- 35.25	43	1156	3.23	86.85
34.25- 34.75	77	1113	5.79	81.62
33.75- 34.25	50	1036	6.76	77.84
33.25- 33.75	58	946	7.36	71.07
32.75- 33.25	107	844	9.04	63.71
32.25- 32.75	120	741	9.02	55.67
31.75- 32.25	110	621	9.24	46.66
31.25- 31.75	109	511	8.19	38.19
30.75- 31.25	102	402	7.00	30.20
30.25- 30.75	88	304	6.61	22.54
29.75- 30.25	73	212	5.48	15.93
29.25- 29.75	57	139	4.28	10.44
28.75- 29.25	31	82	2.33	6.16
28.25- 28.75	24	51	1.80	3.83
27.75- 28.25	15	27	1.13	2.03
27.25- 27.75	2	12	.15	.90
26.75- 27.25	3	10	.23	.75
26.25- 26.75	5	7	.38	.53
25.75- 26.25	1	2	.09	.15
25.25- 25.75	1	1	.08	.68

FREQUENCY TABLES FOR CORE MEASUREMENTS

11C SITTING HEIGHT

RANGES	FREQ	CUMF	FREQ	CUMFX
95.75- 96.25	2	1331	.15	100.00
95.25- 95.75	1	1329	.08	99.85
94.75- 95.25	1	1328	.08	99.77
94.25- 94.75	2	1327	.15	99.70
93.75- 94.25	1	1325	.08	99.55
93.25- 93.75	4	1324	.30	99.47
92.75- 93.25	2	1320	.15	99.17
92.25- 92.75	10	1318	.75	99.02
91.75- 92.25	11	1308	.83	98.27
91.25- 91.75	14	1297	1.05	97.45
90.75- 91.25	19	1283	1.43	96.39
90.25- 90.75	24	1264	1.80	94.97
89.75- 90.25	34	1240	2.55	93.16
89.25- 89.75	29	1206	2.18	90.61
88.75- 89.25	49	1177	3.66	88.43
88.25- 88.75	48	1128	3.61	84.75
87.75- 88.25	58	1080	4.36	81.14
87.25- 87.75	74	1022	5.56	76.78
86.75- 87.25	53	948	3.98	71.22
86.25- 86.75	94	895	7.06	67.24
85.75- 86.25	64	801	4.81	60.18
85.25- 85.75	65	737	4.88	55.37
84.75- 85.25	60	672	4.96	50.49
84.25- 84.75	78	606	5.86	45.53
83.75- 84.25	62	528	4.66	39.67
83.25- 83.75	57	466	4.28	35.01
82.75- 83.25	58	409	4.36	30.73
82.25- 82.75	54	351	4.06	26.37
81.75- 82.25	53	297	3.98	22.31
81.25- 81.75	51	244	3.83	18.33
80.75- 81.25	38	193	2.85	14.50
80.25- 80.75	29	155	2.18	11.65
79.75- 80.25	25	126	2.18	9.47
79.25- 79.75	24	97	1.80	7.29
78.75- 79.25	19	73	1.43	5.48
78.25- 78.75	9	54	.68	4.06
77.75- 78.25	16	45	1.20	3.38
77.25- 77.75	9	29	.68	2.18
76.75- 77.25	3	20	.23	1.50
76.25- 76.75	2	17	.15	1.28
75.75- 76.25	6	15	.45	1.13
75.25- 75.75	2	9	.15	.68
74.75- 75.25	3	7	.23	.53
74.25- 74.75	2	4	.15	.30
73.75- 74.25	0	2	0.00	.15
73.25- 73.75	1	2	.08	.15
72.75- 73.25	1	1	.08	.08

12C EYE HEIGHT, SITTING

RANGES	FREQ	CUMF	FREQ	CUMFX
83.75- 84.25	1	1331	.08	100.00
83.25- 83.75	2	1330	.15	99.92
82.75- 83.25	1	1328	.08	99.77
82.25- 82.75	4	1327	.30	99.70
81.75- 82.25	6	1323	.45	99.40
81.25- 81.75	3	1317	.27	98.95
80.75- 81.25	3	1314	.23	98.72
80.25- 80.75	8	1311	.60	98.50
79.75- 80.25	16	1303	1.20	97.90
79.25- 79.75	16	1287	1.20	96.69
78.75- 79.25	24	1271	1.80	95.49
78.25- 78.75	34	1247	2.55	93.69
77.75- 78.25	34	1213	2.55	91.13
77.25- 77.75	46	1179	3.46	88.58
76.75- 77.25	43	1133	3.23	85.12
76.25- 76.75	55	1099	4.13	81.69
75.75- 76.25	77	1035	5.79	77.76
75.25- 75.75	70	958	5.26	71.98
74.75- 75.25	75	888	5.63	66.72
74.25- 74.75	64	813	6.31	61.08
73.75- 74.25	64	729	4.81	54.77
73.25- 73.75	71	665	5.33	49.66
72.75- 73.25	69	594	5.18	44.63
72.25- 72.75	71	525	5.33	39.44
71.75- 72.25	71	454	5.33	34.11
71.25- 71.75	61	383	4.58	28.78
70.75- 71.25	46	322	3.46	24.19
70.25- 70.75	49	276	3.68	20.74
69.75- 70.25	57	227	4.26	17.05
69.25- 69.75	36	170	2.70	12.77
68.75- 69.25	24	134	1.80	10.07
68.25- 68.75	23	110	1.73	8.26
67.75- 68.25	22	87	1.65	6.54
67.25- 67.75	14	65	1.05	4.88
66.75- 67.25	13	51	.98	3.63
66.25- 66.75	9	38	.68	2.65
65.75- 66.25	11	29	.83	2.18
65.25- 65.75	5	18	.38	1.35
64.75- 65.25	4	13	.30	.98
64.25- 64.75	2	9	.15	.68
63.75- 64.25	1	7	.08	.53
63.25- 63.75	3	6	.23	.45
62.75- 63.25	1	3	.08	.23
62.25- 62.75	2	2	.15	.15

FREQUENCY TABLES FOR CORE MEASUREMENTS

13C SHOULDER-ELBOW LENGTH					14C ELBOW-FINGER TIP LENGTH				
RANGE	FREQ	CUMF	FRCX	CUMFX	RANGE	FREQ	CUMF	FRCX	CUMFX
40.15-40.45	1	1331	.00	100.00	50.95-51.25	1	1331	.08	100.00
39.85-40.15	1	1330	.08	99.92	50.65-50.95	0	1330	0.00	99.92
39.55-39.85	0	1329	0.00	99.85	50.35-50.65	0	1330	0.00	99.92
39.25-39.55	1	1329	.08	99.85	50.05-50.35	4	1330	.30	99.92
38.95-39.25	0	1328	0.00	99.77	49.75-50.05	3	1326	.23	99.62
38.65-38.95	0	1328	0.00	99.77	49.45-49.75	2	1327	.15	99.40
38.35-38.65	2	1328	.15	99.77	49.15-49.45	3	1321	.23	99.25
38.05-38.35	4	1326	.30	99.62	48.85-49.15	11	1318	.83	99.02
37.75-38.05	2	1322	.15	99.32	48.55-48.85	4	1307	.30	98.20
37.45-37.75	8	1320	.60	99.17	48.25-48.55	6	1303	.45	97.90
37.15-37.45	12	1312	.90	98.57	47.95-48.25	12	1297	.90	97.45
36.85-37.15	13	1300	.98	97.67	47.65-47.95	11	1285	.83	96.54
36.55-36.85	21	1287	1.58	96.69	47.35-47.65	16	1274	1.23	95.72
36.25-36.55	24	1266	1.80	95.12	47.05-47.35	21	1258	1.58	94.52
35.95-36.25	36	1242	2.70	93.31	46.75-47.05	21	1237	1.58	92.94
35.65-35.95	49	1206	3.68	90.61	46.45-46.75	29	1216	2.18	91.76
35.35-35.65	44	1157	3.31	86.93	46.15-46.45	35	1187	2.63	89.18
35.05-35.35	51	1113	3.83	83.62	45.85-46.15	32	1157	2.40	86.55
34.75-35.05	55	1062	4.13	79.79	45.55-45.85	33	1121	2.48	84.15
34.45-34.75	64	1007	4.81	75.66	45.25-45.55	50	1087	3.76	81.67
34.15-34.45	82	943	6.16	70.85	44.95-45.25	53	1057	3.98	77.91
33.85-34.15	97	861	7.29	64.69	44.65-44.95	54	984	4.06	73.93
33.55-33.85	96	764	7.21	57.40	44.35-44.65	57	931	4.20	69.67
33.25-33.55	74	668	5.56	50.19	44.05-44.35	62	873	4.30	65.99
32.95-33.25	84	594	6.31	44.63	43.75-44.05	62	815	4.65	61.23
32.65-32.95	79	510	5.94	38.32	43.45-43.75	83	753	6.24	56.57
32.35-32.65	93	431	6.99	32.38	43.15-43.45	72	677	5.41	50.34
32.05-32.35	80	338	6.01	25.39	42.85-43.15	59	598	4.47	44.93
31.75-32.05	58	258	4.36	19.38	42.55-42.85	77	539	5.79	40.50
31.45-31.75	59	200	4.43	15.03	42.25-42.55	52	462	3.91	34.71
31.15-31.45	45	141	3.38	10.59	41.95-42.25	57	410	4.28	29.80
30.85-31.15	33	96	2.48	7.21	41.65-41.95	59	353	4.43	26.52
30.55-30.85	21	63	1.58	4.73	41.35-41.65	56	294	4.21	22.09
30.25-30.55	12	42	.90	3.16	41.05-41.35	53	238	3.98	17.88
29.95-30.25	12	30	.90	2.25	40.75-41.05	45	185	3.38	13.50
29.65-29.95	5	18	.60	1.35	40.45-40.75	38	141	2.85	10.52
29.35-29.65	2	10	.15	.75	40.15-40.45	26	112	1.95	7.66
29.05-29.35	1	8	.08	.60	39.85-40.15	22	76	1.65	5.71
28.75-29.05	3	7	.23	.53	39.55-39.85	14	54	1.05	4.06
28.45-28.75	3	4	.23	.30	39.25-39.55	10	41	.75	3.01
28.15-28.45	0	1	0.00	.08	38.95-39.25	11	36	.83	2.25
27.85-28.15	0	1	0.00	.08	38.65-38.95	8	19	.60	1.43
27.55-27.85	0	1	0.00	.08	38.35-38.65	3	11	.23	.63
27.25-27.55	1	1	.08	.08	38.05-38.35	3	8	.23	.60
					37.75-38.05	2	5	.15	.39
					37.45-37.75	1	3	.08	.23
					37.15-37.45	1	2	.08	.15
					36.85-37.15	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

16C POLYLITHAL HEIGHT

15C KNEE HEIGHT, SITTING

RANGES	FRC	CUMF	FRCQ	CUMFQ
60.25- 60.75	1	1331	.08	100.00
59.75- 60.25	0	1330	0.00	99.92
59.25- 59.75	0	1330	0.00	99.92
58.75- 59.25	2	1330	.15	99.92
58.25- 58.75	3	1328	.23	99.77
57.75- 58.25	1	1325	.30	99.55
57.25- 57.75	8	1324	.60	99.47
56.75- 57.25	9	1316	.68	98.87
56.25- 56.75	8	1307	.60	98.20
55.75- 56.25	18	1293	1.35	97.60
55.25- 55.75	32	1281	2.40	96.24
54.75- 55.25	31	1249	2.33	93.84
54.25- 54.75	43	1218	3.23	91.51
53.75- 54.25	52	1175	3.91	88.28
53.25- 53.75	53	1123	3.98	84.37
52.75- 53.25	64	1074	4.81	80.39
52.25- 52.75	78	1006	5.66	75.58
51.75- 52.25	81	928	6.09	69.72
51.25- 51.75	105	847	7.89	63.64
50.75- 51.25	93	742	6.99	55.75
50.25- 50.75	119	649	8.94	48.76
49.75- 50.25	98	530	7.36	39.82
49.25- 49.75	87	432	6.54	32.46
48.75- 49.25	80	345	6.01	25.92
48.25- 48.75	77	265	5.79	19.91
47.75- 48.25	62	188	4.66	14.12
47.25- 47.75	29	126	2.18	9.47
46.75- 47.25	22	97	2.48	7.29
46.25- 46.75	29	64	2.16	4.81
45.75- 46.25	18	35	1.35	2.63
45.25- 45.75	16	17	.75	1.28
44.75- 45.25	2	7	.15	.53
44.25- 44.75	1	5	.08	.38
43.75- 44.25	2	4	.15	.30
43.25- 43.75	2	2	.15	.15

RANGES	FRC	CUMF	FRCQ	CUMFQ
48.55- 49.15	1	1331	.08	100.00
48.50- 48.85	0	1330	0.00	99.92
48.25- 48.55	1	1330	.08	99.92
47.95- 48.25	3	1329	.23	99.65
47.65- 47.95	3	1326	.23	99.62
47.35- 47.65	5	1327	.38	99.40
47.05- 47.35	4	1318	.30	99.02
46.75- 47.05	6	1314	.45	98.72
46.45- 46.75	11	1300	.83	98.27
46.15- 46.45	14	1297	1.05	97.45
45.85- 46.15	11	1287	.83	96.39
45.55- 45.85	14	1272	1.05	95.57
45.25- 45.55	30	1258	2.25	94.52
44.95- 45.25	34	1228	2.55	92.26
44.65- 44.95	23	1194	1.73	89.71
44.35- 44.65	29	1171	2.18	87.58
44.05- 44.35	32	1142	2.40	85.80
43.75- 44.05	41	1110	3.08	83.40
43.45- 43.75	27	1069	2.03	80.32
43.15- 43.45	48	1042	3.61	78.29
42.85- 43.15	52	994	3.91	74.68
42.55- 42.85	53	942	3.98	70.77
42.25- 42.55	77	889	5.79	66.79
41.95- 42.25	64	812	4.81	61.01
41.65- 41.95	75	748	5.63	56.20
41.35- 41.65	59	673	4.43	50.56
41.05- 41.35	81	614	4.58	46.13
40.75- 41.05	71	557	5.26	41.25
40.45- 40.75	77	483	5.79	36.29
40.15- 40.45	72	406	5.41	30.50
39.85- 40.15	42	334	3.61	25.09
39.55- 39.85	53	286	3.98	21.49
39.25- 39.55	45	233	3.38	17.51
38.95- 39.25	34	188	2.55	14.12
38.65- 38.95	32	154	2.40	11.57
38.35- 38.65	21	122	1.50	9.17
38.05- 38.35	25	101	1.88	7.59
37.75- 38.05	19	76	1.43	5.71
37.45- 37.75	16	57	1.20	4.28
37.15- 37.45	9	41	.68	3.08
36.85- 37.15	12	32	.90	2.40
36.55- 36.85	5	20	.38	1.50
36.25- 36.55	5	15	.38	1.13
35.95- 36.25	2	10	.15	.75
35.65- 35.95	3	8	.23	.60
35.35- 35.65	1	5	.08	.38
35.05- 35.35	2	4	.15	.30
34.75- 35.05	1	2	.08	.15
34.45- 34.75	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

17C BUTTCK-KNEE LENGTH

RANGES	FRC	CLMP	FRCY	CUMFX
68.25- 68.75	1	1331	.08	100.00
67.75- 68.25	0	1330	0.01	99.92
67.25- 67.75	2	1330	.15	99.92
66.75- 67.25	0	1328	0.00	99.77
66.25- 66.75	3	1328	.23	99.77
65.75- 66.25	1	1325	.08	99.55
65.25- 65.75	6	1324	.45	99.47
64.75- 65.25	9	1318	.68	99.02
64.25- 64.75	12	1319	.70	98.35
63.75- 64.25	17	1297	1.26	97.45
63.25- 63.75	16	1288	1.20	96.17
62.75- 63.25	28	1264	2.10	94.97
62.25- 62.75	18	1236	1.35	92.86
61.75- 62.25	31	1218	2.32	91.51
61.25- 61.75	40	1187	3.01	89.18
60.75- 61.25	50	1147	3.76	86.13
60.25- 60.75	56	1057	4.21	82.42
59.75- 60.25	64	1041	4.81	78.21
59.25- 59.75	60	977	4.51	73.40
58.75- 59.25	67	917	5.03	68.98
58.25- 58.75	79	850	5.94	63.86
57.75- 58.25	76	771	5.71	57.93
57.25- 57.75	107	635	8.04	52.22
56.75- 57.25	94	588	7.02	44.18
56.25- 56.75	85	494	6.39	37.11
55.75- 56.25	81	499	6.09	30.73
55.25- 55.75	56	328	4.21	24.64
54.75- 55.25	57	272	4.28	20.44
54.25- 54.75	66	215	4.96	16.13
53.75- 54.25	46	149	3.46	11.19
53.25- 53.75	32	133	2.41	7.74
52.75- 53.25	15	71	1.42	5.53
52.25- 52.75	16	52	1.20	3.91
51.75- 52.25	11	36	.83	2.70
51.25- 51.75	11	25	.83	1.88
50.75- 51.25	6	14	.45	1.05
50.25- 50.75	6	8	.45	.60
49.75- 50.25	0	2	0.01	.15
49.25- 49.75	1	2	.08	.15
48.75- 49.25	0	1	0.00	.08
48.25- 48.75	1	1	.08	.08

1AC BUST DEPTH

RANGES	FRC	CUMF	FRCY	CUMFX
32.75- 33.25	2	1331	.15	100.00
32.25- 32.75	1	1329	.03	99.85
31.75- 32.25	1	1328	.08	99.77
31.25- 31.75	0	1327	0.00	99.70
30.75- 31.25	2	1327	.15	99.70
30.25- 30.75	0	1325	0.00	99.55
29.75- 30.25	2	1325	.15	99.55
29.25- 29.75	4	1327	.30	99.40
28.75- 29.25	6	1319	.45	99.10
28.25- 28.75	5	1313	.38	98.65
27.75- 28.25	12	1308	.90	98.27
27.25- 27.75	12	1296	.90	97.37
26.75- 27.25	14	1284	1.00	96.47
26.25- 26.75	41	1270	3.08	95.42
25.75- 26.25	35	1229	2.63	92.34
25.25- 25.75	57	1194	4.28	89.71
24.75- 25.25	63	1157	4.73	85.42
24.25- 24.75	72	1074	5.41	80.69
23.75- 24.25	117	1012	8.04	75.28
23.25- 23.75	115	995	8.47	67.24
22.75- 23.25	115	777	4.11	58.13
22.25- 22.75	115	669	3.72	53.26
21.75- 22.25	111	553	3.34	41.05
21.25- 21.75	108	422	4.12	31.71
20.75- 21.25	92	314	6.91	23.69
20.25- 20.75	89	222	6.60	16.68
19.75- 20.25	60	133	4.91	9.99
19.25- 19.75	39	73	2.63	5.48
18.75- 19.25	21	38	1.53	2.95
18.25- 18.75	14	17	1.05	1.88
17.75- 18.25	2	3	.15	.23
17.25- 17.75	0	1	0.00	.08
16.75- 17.25	0	1	0.00	.08
16.25- 16.75	0	1	0.00	.08
15.75- 16.25	0	1	0.00	.08
15.25- 15.75	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

19C WAIST DEPTH

RANGES	FREQ	CUMF	FREQ	CUMFX
32.25- 32.75	1	1331	.06	100.00
31.75- 32.25	1	1330	.08	99.92
31.25- 31.75	0	1329	0.07	99.85
30.75- 31.25	1	1329	.08	99.85
30.25- 30.75	0	1328	0.07	99.77
29.75- 30.25	1	1328	.08	99.77
29.25- 29.75	0	1327	0.00	99.70
28.75- 29.25	1	1327	.06	99.70
28.25- 28.75	0	1326	0.00	99.62
27.75- 28.25	0	1326	0.01	99.62
27.25- 27.75	0	1326	0.00	99.62
26.75- 27.25	2	1326	.15	99.62
26.25- 26.75	3	1324	0.07	99.47
25.75- 26.25	2	1324	.15	99.47
25.25- 25.75	3	1322	.23	99.32
24.75- 25.25	4	1319	.30	99.19
24.25- 24.75	4	1315	.30	98.80
23.75- 24.25	12	1311	.91	98.50
23.25- 23.75	6	1299	.45	97.60
22.75- 23.25	15	1293	1.13	97.15
22.25- 22.75	8	1278	.60	96.82
21.75- 22.25	28	1270	2.17	95.42
21.25- 21.75	34	1242	2.55	93.31
20.75- 21.25	33	1208	2.46	90.76
20.25- 20.75	49	1175	3.88	88.26
19.75- 20.25	65	1126	4.32	84.60
19.25- 19.75	93	1061	6.95	75.71
18.75- 19.25	106	968	7.96	72.73
18.25- 18.75	127	862	9.54	64.76
17.75- 18.25	140	735	10.52	55.22
17.25- 17.75	135	595	10.44	44.70
16.75- 17.25	128	456	10.37	34.26
16.25- 16.75	116	318	8.72	25.89
15.75- 16.25	82	202	6.16	15.18
15.25- 15.75	67	120	5.03	9.02
14.75- 15.25	26	53	1.95	3.98
14.25- 14.75	21	27	1.58	2.33
13.75- 14.25	4	6	.30	.45
13.25- 13.75	2	2	.15	.15

20C CHEST BREADTH

RANGES	FREQ	CUMF	FREQ	CUMFX
40.75- 41.25	1	1331	.08	100.00
40.25- 40.75	0	1330	0.00	99.92
39.75- 40.25	0	1330	0.00	99.92
39.25- 39.75	0	1330	0.00	99.92
38.75- 39.25	1	1332	.08	99.92
38.25- 38.75	0	1329	0.00	99.85
37.75- 38.25	0	1329	0.00	99.85
37.25- 37.75	0	1329	0.00	99.85
36.75- 37.25	0	1329	0.00	99.85
36.25- 36.75	0	1329	0.00	99.85
35.75- 36.25	0	1329	0.00	99.85
35.25- 35.75	1	1329	.08	99.85
34.75- 35.25	2	1328	.15	99.77
34.25- 34.75	2	1326	.15	99.62
33.75- 34.25	4	1324	.30	99.47
33.25- 33.75	10	1320	.75	99.17
32.75- 33.25	12	1310	.90	98.42
32.25- 32.75	15	1298	1.13	97.52
31.75- 32.25	29	1283	2.16	96.39
31.25- 31.75	31	1254	2.33	94.21
30.75- 31.25	54	1223	4.06	91.29
30.25- 30.75	68	1169	6.61	87.23
29.75- 30.25	123	1081	9.24	81.22
29.25- 29.75	136	958	13.22	71.58
28.75- 29.25	135	822	10.14	61.76
28.25- 28.75	129	687	9.69	51.62
27.75- 28.25	143	547	10.74	41.62
27.25- 27.75	132	415	9.92	31.18
26.75- 27.25	107	283	8.04	21.26
26.25- 26.75	73	176	5.46	13.22
25.75- 26.25	51	163	3.83	7.74
25.25- 25.75	29	52	2.16	3.91
24.75- 25.25	17	23	1.28	1.73
24.25- 24.75	4	6	.30	.45
23.75- 24.25	2	2	.15	.15

FREQUENCY TABLES FOR CORE MEASUREMENTS

21C WAIST BREADTH

RANGES	FREQ	CUMF	FRCZ	CUMFZ
39.75- 40.25	1	1331	.08	100.00
39.25- 39.75	0	1330	0.00	99.92
38.75- 39.25	0	1330	0.00	99.92
38.25- 38.75	1	1330	.08	99.92
37.75- 38.25	0	1329	0.00	99.85
37.25- 37.75	0	1329	0.00	99.85
36.75- 37.25	0	1329	0.00	99.85
36.25- 36.75	1	1329	.08	99.85
35.75- 36.25	0	1328	0.00	99.77
35.25- 35.75	0	1328	0.00	99.77
34.75- 35.25	2	1328	.15	99.77
34.25- 34.75	0	1326	0.00	99.62
33.75- 34.25	4	1326	.31	99.62
33.25- 33.75	2	1322	.23	99.32
32.75- 33.25	6	1319	.45	99.10
32.25- 32.75	4	1313	.30	98.65
31.75- 32.25	2	1309	.15	98.35
31.25- 31.75	8	1317	.60	98.20
30.75- 31.25	16	1289	1.20	97.60
30.25- 30.75	9	1283	.68	96.39
29.75- 30.25	14	1274	1.05	95.72
29.25- 29.75	20	1261	1.50	94.67
28.75- 29.25	75	1241	2.63	93.16
28.25- 28.75	40	1209	3.61	90.53
27.75- 28.25	52	1187	3.91	88.93
27.25- 27.75	62	1165	5.11	83.92
26.75- 27.25	73	1037	5.48	77.91
26.25- 26.75	85	994	6.39	72.43
25.75- 26.25	107	879	8.34	66.04
25.25- 25.75	110	772	8.26	58.00
24.75- 25.25	129	662	8.94	49.74
24.25- 24.75	130	543	9.77	40.80
23.75- 24.25	117	413	8.79	31.03
23.25- 23.75	81	296	6.09	22.24
22.75- 23.25	84	215	6.71	16.15
22.25- 22.75	54	131	4.08	5.64
21.75- 22.25	37	77	2.78	5.79
21.25- 21.75	24	40	1.80	3.01
20.75- 21.25	13	16	.98	1.20
20.25- 20.75	2	3	.15	.23
19.75- 20.25	0	1	0.00	.08
19.25- 19.75	1	1	.08	.08

22C HIP BREADTH

RANGES	FREQ	CUMF	FRCZ	CUMFZ
48.75- 49.25	1	1331	.08	100.00
48.25- 48.75	0	1330	0.00	99.92
47.75- 48.25	1	1330	.08	99.92
47.25- 47.75	0	1329	0.00	99.85
46.75- 47.25	0	1329	0.00	99.85
46.25- 46.75	0	1329	0.00	99.85
45.75- 46.25	0	1329	0.00	99.85
45.25- 45.75	0	1329	0.00	99.85
44.75- 45.25	1	1329	.08	99.85
44.25- 44.75	0	1328	0.00	99.77
43.75- 44.25	1	1328	.08	99.77
43.25- 43.75	0	1327	0.00	99.70
42.75- 43.25	4	1327	.36	99.70
42.25- 42.75	2	1322	.23	99.40
41.75- 42.25	4	1320	.30	99.17
41.25- 41.75	5	1310	.38	98.67
40.75- 41.25	8	1311	.60	98.50
40.25- 40.75	11	1310	.83	97.90
39.75- 40.25	24	1292	1.65	97.07
39.25- 39.75	31	1270	2.33	96.02
38.75- 39.25	27	1247	2.33	93.69
38.25- 38.75	30	1220	2.85	91.65
37.75- 38.25	57	1152	4.28	85.61
37.25- 37.75	50	1120	6.01	80.02
36.75- 37.25	77	1005	8.79	71.01
36.25- 36.75	96	965	8.46	72.73
35.75- 36.25	98	882	7.36	68.27
35.25- 35.75	113	784	9.49	60.60
34.75- 35.25	121	671	9.09	50.41
34.25- 34.75	107	550	8.04	41.32
33.75- 34.25	92	443	6.90	33.28
33.25- 33.75	99	351	7.44	26.37
32.75- 33.25	68	252	5.11	18.93
32.25- 32.75	60	164	4.96	13.62
31.75- 32.25	40	118	3.01	8.87
31.25- 31.75	35	72	2.33	5.66
30.75- 31.25	10	47	1.35	3.53
30.25- 30.75	14	29	1.05	2.10
29.75- 30.25	5	15	.78	1.13
29.25- 29.75	6	10	.45	.75
28.75- 29.25	2	4	.15	.72
28.25- 28.75	2	2	.15	.15

FREQUENCY TABLES FOR CORE MEASUREMENTS

24C NECK CIRCUMFERENCE

23C SHOULDER (BIDELTIC) WIDTH

RANGES	FRQ	CUMF	FREQ	CUMFX
35.75- 52.25	1	1331	.08	100.00
55.25- 55.75	1	1330	0.30	99.92
54.75- 55.25	1	1330	1.00	99.92
54.25- 54.75	0	1330	0.00	99.92
53.75- 54.25	0	1330	0.00	99.92
53.25- 53.75	0	1330	0.00	99.92
52.75- 53.25	0	1330	0.00	99.92
52.25- 52.75	1	1330	.30	99.92
51.75- 52.25	0	1329	0.00	99.85
51.25- 51.75	0	1329	0.00	99.85
50.75- 51.25	0	1329	.00	99.85
50.25- 50.75	1	1329	.00	99.85
49.75- 50.25	0	1328	.00	99.77
49.25- 49.75	1	1328	.00	99.77
48.75- 49.25	2	1327	.15	99.70
48.25- 48.75	3	1325	.23	99.55
47.75- 48.25	3	1322	.23	99.32
47.25- 47.75	4	1319	.30	99.16
46.75- 47.25	7	1315	.53	98.80
46.25- 46.75	12	1308	.90	98.27
45.75- 46.25	25	1296	2.10	97.37
45.25- 45.75	31	1267	2.33	95.19
44.75- 45.25	42	1236	3.01	92.86
44.25- 44.75	72	1188	5.41	89.26
43.75- 44.25	68	1110	5.11	83.85
43.25- 43.75	81	1048	6.64	78.74
42.75- 43.25	162	957	8.11	71.90
42.25- 42.75	128	849	9.62	63.79
41.75- 42.25	120	721	9.02	54.17
41.25- 41.75	115	601	8.94	45.15
40.75- 41.25	99	482	7.44	36.21
40.25- 40.75	93	393	6.99	26.78
39.75- 40.25	75	290	5.63	21.79
39.25- 39.75	78	215	5.86	16.19
38.75- 39.25	53	127	3.86	10.29
38.25- 38.75	26	34	1.95	6.31
37.75- 38.25	31	58	2.33	4.36
37.25- 37.75	15	27	1.13	2.03
36.75- 37.25	6	12	.60	.90
36.25- 36.75	4	4	.30	.30

RANGES	FRQ	CUMF	FREQ	CUMFX
41.65- 41.95	1	1331	.08	100.00
41.35- 41.65	0	1330	0.00	99.92
41.05- 41.35	0	1330	0.00	99.92
40.75- 41.05	0	1330	0.00	99.92
40.45- 40.75	0	1330	0.00	99.92
40.15- 40.45	0	1330	0.00	99.92
39.85- 40.15	0	1330	0.00	99.92
39.55- 39.85	0	1330	0.00	99.92
39.25- 39.55	0	1330	0.00	99.92
38.95- 39.25	0	1330	0.00	99.92
38.65- 38.95	1	1330	0.00	99.92
38.35- 38.65	0	1330	0.00	99.92
38.05- 38.35	0	1330	0.00	99.92
37.75- 38.05	2	1330	.15	99.92
37.45- 37.75	2	1328	.15	99.77
37.15- 37.45	6	1326	0.00	99.62
36.85- 37.15	3	1326	.23	99.62
36.55- 36.85	1	1323	.08	99.40
36.25- 36.55	8	1322	.45	99.32
35.95- 36.25	3	1310	.23	99.87
35.65- 35.95	12	1313	.90	98.65
35.35- 35.65	18	1301	1.35	97.75
35.05- 35.35	21	1283	1.58	96.39
34.75- 35.05	27	1262	2.03	94.82
34.45- 34.75	31	1235	2.33	92.79
34.15- 34.45	36	1204	2.73	90.46
33.85- 34.15	62	1168	4.66	87.75
33.55- 33.85	63	1106	4.73	83.10
33.25- 33.55	62	1043	5.11	78.36
32.95- 33.25	39	977	6.61	73.23
32.65- 32.95	55	887	7.14	68.64
32.35- 32.65	144	792	9.32	60.50
32.05- 32.35	91	668	6.84	56.14
31.75- 32.05	112	577	6.49	49.35
31.45- 31.75	92	461	6.91	44.86
31.15- 31.45	67	377	5.93	37.85
30.85- 31.15	75	305	5.63	32.92
30.55- 30.85	69	230	5.19	27.28
30.25- 30.55	39	161	2.93	22.10
29.95- 30.25	30	127	3.75	17.77
29.65- 29.95	19	72	1.43	15.41
29.35- 29.65	27	53	2.03	13.98
29.05- 29.35	16	26	1.20	12.55
28.75- 29.05	4	10	.30	.75
28.45- 28.75	2	6	.15	.45
28.15- 28.45	2	4	.15	.30
27.85- 28.15	2	2	.08	.15
27.55- 27.85	1	1	.00	.08
27.25- 27.55	1	1	.00	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

260 CHEST CIRCUMFERENCE AT SCYE

250 SHOULDER CIRCUMFERENCE

RANGES	FREQ	CUMF	FRCX	CUMFX
135.25-140.75	1	1331	.00	100.00
137.75-139.25	0	1330	0.00	99.92
136.25-137.75	0	1330	0.00	99.92
134.75-136.25	0	1330	0.00	99.92
133.25-134.75	0	1330	0.00	99.92
131.75-133.25	0	1330	0.00	99.92
130.25-131.75	0	1330	0.00	99.92
128.75-130.25	1	1331	0.00	99.92
127.25-128.75	0	1330	0.00	99.92
125.75-127.25	0	1330	0.00	99.92
124.25-125.75	0	1330	0.00	99.92
122.75-124.25	2	1330	.15	99.92
121.25-122.75	1	1328	.00	99.77
119.75-121.25	1	1327	.00	99.70
118.25-119.75	0	1326	0.00	99.62
116.75-118.25	3	1326	.23	99.62
115.25-116.75	4	1323	.30	99.40
113.75-115.25	4	1319	.37	99.10
112.25-113.75	4	1315	.30	98.80
110.75-112.25	15	1311	1.13	98.50
109.25-110.75	38	1296	2.05	97.37
107.75-109.25	44	1256	3.31	94.52
106.25-107.75	65	1214	4.38	91.21
104.75-106.25	85	1149	6.29	86.33
103.25-104.75	113	1064	8.49	79.94
101.75-103.25	130	951	9.77	71.45
100.25-101.75	151	871	11.34	61.68
98.75-100.25	144	870	10.82	50.34
97.25-98.75	131	526	9.84	39.52
95.75-97.25	129	355	6.69	29.68
94.25-95.75	111	266	5.34	19.98
92.75-94.25	63	155	4.73	11.65
91.25-92.75	48	92	3.61	6.91
89.75-91.25	28	44	2.10	3.31
88.25-89.75	9	16	.68	1.20
86.75-88.25	6	7	.45	.53
85.25-86.75	1	1	.08	.08

RANGES	FREQ	CUMF	FRCX	CUMFX
119.75-120.75	1	1331	.00	100.00
118.75-119.75	0	1330	0.00	99.92
117.75-118.75	0	1330	0.00	99.92
116.75-117.75	0	1330	0.00	99.92
115.75-116.75	0	1330	0.00	99.92
114.75-115.75	0	1330	0.00	99.92
113.75-114.75	0	1330	0.00	99.92
112.75-113.75	0	1330	0.00	99.92
111.75-112.75	0	1330	0.00	99.92
110.75-111.75	0	1330	0.00	99.92
109.75-110.75	0	1330	0.00	99.92
108.75-109.75	1	1331	.00	99.92
107.75-108.75	1	1329	.00	99.85
106.75-107.75	0	1328	0.00	99.77
105.75-106.75	0	1328	0.00	99.77
104.75-105.75	1	1328	.00	99.77
103.75-104.75	1	1327	.00	99.70
102.75-103.75	0	1326	0.00	99.62
101.75-102.75	2	1326	.00	99.62
100.75-101.75	5	1326	.38	99.62
99.75-100.75	2	1321	.15	99.25
98.75-99.75	5	1319	.38	99.10
97.75-98.75	5	1314	.38	98.72
96.75-97.75	8	1309	.60	98.34
95.75-96.75	15	1301	1.13	97.75
94.75-95.75	12	1286	.90	96.62
93.75-94.75	15	1274	1.13	95.72
92.75-93.75	26	1259	1.95	94.59
91.75-92.75	45	1233	3.31	92.04
90.75-91.75	63	1188	3.76	89.20
89.75-90.75	69	1138	5.18	85.50
88.75-89.75	74	1069	5.56	80.32
87.75-88.75	89	995	6.69	74.76
86.75-87.75	101	906	7.59	68.07
85.75-86.75	90	865	0.76	60.33
84.75-85.75	97	714	7.29	53.72
83.75-84.75	110	618	8.26	46.43
82.75-83.75	100	508	7.51	38.17
81.75-82.75	75	408	5.63	30.65
80.75-81.75	98	333	7.36	25.02
79.75-80.75	70	235	5.71	17.66
78.75-79.75	51	159	3.83	11.95
77.75-78.75	39	103	2.93	8.11
76.75-77.75	27	60	2.03	5.18
75.75-76.75	20	42	1.50	3.16
74.75-75.75	15	22	1.13	1.65
73.75-74.75	2	7	.15	.53
72.75-73.75	4	5	.30	.38
71.75-72.75	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

280 CMFT CIRCUM'CE BELOW BUST

270 EAST CIRCUMFERENCE

RANGES	FRC	CLPF	FRCX	CUMFX	RANGES	FRC	CUMF	FRCX	CUMFX
127.25-128.75	1	1331	.32	100.00	106.75-107.75	1	1331	.09	100.00
125.75-127.25	0	1330	0.00	99.92	105.75-106.75	0	1330	1.00	99.92
124.25-125.75	0	1330	0.00	99.92	104.75-105.75	0	1330	0.00	99.92
122.75-124.25	0	1330	0.00	99.92	103.75-104.75	0	1330	0.00	99.92
121.25-122.75	0	1330	0.00	99.92	102.75-103.75	0	1330	0.00	99.92
119.75-121.25	0	1330	0.00	99.92	101.75-102.75	0	1330	0.00	99.92
118.25-119.75	1	1330	.08	99.92	100.75-101.75	1	1330	.68	99.92
116.75-118.25	0	1329	0.00	99.85	99.75-100.75	0	1329	0.00	99.85
115.25-116.75	1	1329	.02	99.85	98.75-99.75	0	1329	1.00	99.85
113.75-115.25	3	1328	0.00	99.77	97.75-98.75	0	1329	0.00	99.85
112.25-113.75	2	1328	.15	99.77	96.75-97.75	1	1329	.08	99.85
110.75-112.25	0	1326	0.00	99.62	95.75-96.75	0	1328	0.00	99.77
109.25-110.75	0	1326	0.00	99.62	94.75-95.75	0	1328	0.00	99.77
107.75-109.25	4	1326	.30	99.62	93.75-94.75	0	1326	1.00	99.77
106.25-107.75	4	1322	.30	99.32	92.75-93.75	1	1328	.08	99.77
104.75-106.25	5	1318	.38	99.42	91.75-92.75	1	1327	.08	99.76
103.25-104.75	6	1313	.45	98.65	90.75-91.75	2	1326	.15	99.62
101.75-103.25	7	1307	.52	98.20	89.75-90.75	6	1324	.45	99.47
100.25-101.75	12	1300	.90	97.67	88.75-89.75	4	1318	.30	99.62
98.75-100.25	25	1288	1.88	96.77	87.75-88.75	2	1314	.15	98.72
97.25-98.75	42	1263	3.16	94.89	86.75-87.75	4	1312	.30	98.57
95.75-97.25	44	1221	3.11	91.74	85.75-86.75	4	1308	.30	98.27
94.25-95.75	51	1177	3.83	88.43	84.75-85.75	15	1304	1.13	97.97
92.75-94.25	52	1126	6.91	84.60	83.75-84.75	32	1289	1.65	96.34
91.25-92.75	95	1034	7.14	77.69	82.75-83.75	24	1267	1.80	95.19
89.75-91.25	136	939	10.22	70.55	81.75-82.75	32	1243	2.40	93.39
88.25-89.75	100	803	7.51	60.33	80.75-81.75	33	1211	2.40	90.93
86.75-88.25	122	733	9.17	52.82	79.75-80.75	44	1178	3.31	88.50
85.25-86.75	127	581	9.54	43.65	78.75-79.75	66	1134	4.96	85.20
83.75-85.25	107	454	8.04	34.11	77.75-78.75	68	1088	5.11	80.24
82.25-83.75	106	347	7.96	26.07	76.75-77.75	83	1000	6.24	75.13
80.75-82.25	96	241	7.21	18.11	75.75-76.75	102	917	7.66	68.99
79.25-80.75	55	140	5.13	10.89	74.75-75.75	112	815	8.41	61.23
77.75-79.25	44	90	3.31	6.76	73.75-74.75	133	703	9.99	52.82
76.25-77.75	32	46	2.40	3.46	72.75-73.75	110	570	8.26	42.82
74.75-76.25	6	14	.45	1.05	71.75-72.75	51	469	6.84	34.26
73.25-74.75	5	8	.32	.60	70.75-71.75	72	369	5.41	27.72
71.75-73.25	2	3	.15	.23	69.75-70.75	83	297	6.24	22.31
70.25-71.75	0	1	0.00	.08	68.75-69.75	78	214	5.86	15.08
68.75-70.25	1	1	.08	.08	67.75-68.75	58	136	4.35	10.22
					66.75-67.75	42	78	3.16	5.86
					65.75-66.75	24	36	1.80	2.70
					64.75-65.75	4	12	.30	.90
					63.75-64.75	2	6	.15	.60
					62.75-63.75	4	6	.30	.45
					61.75-62.75	2	2	.15	.15

FREQUENCY TABLES FOR CORE MEASUREMENTS

290 WAIST CIRCUMFERENCE

RANGES	FREQ	CLWF	FREQ	CUMFX
116.75-118.25	1	1331	.00	100.00
115.25-116.75	0	1330	0.00	99.92
113.75-115.25	0	1330	0.00	99.92
112.25-113.75	0	1310	0.00	99.92
110.75-112.25	0	1330	0.00	99.92
109.25-110.75	0	1330	0.00	99.92
107.75-109.25	0	1330	0.00	99.92
106.25-107.75	0	1330	0.00	99.92
104.75-106.25	2	1339	.15	99.92
103.25-104.75	1	1328	.00	99.77
101.75-103.25	2	1327	.15	99.70
100.25-101.75	6	1325	0.60	99.55
98.75-100.25	0	1325	0.00	99.55
97.25-98.75	0	1325	0.00	99.55
95.75-97.25	1	1325	.00	99.55
94.25-95.75	1	1324	.00	99.47
92.75-94.25	3	1323	.23	99.40
91.25-92.75	7	1320	.53	99.17
89.75-91.25	3	1313	.23	98.65
88.25-89.75	6	1310	.45	98.42
86.75-88.25	13	1304	.90	97.97
85.25-86.75	12	1291	.90	96.99
83.75-85.25	14	1279	1.35	96.09
82.25-83.75	21	1265	1.58	95.04
80.75-82.25	13	1244	.98	93.46
79.25-80.75	33	1231	2.46	92.49
77.75-79.25	55	1158	4.17	90.01
76.25-77.75	60	1143	4.51	85.08
74.75-76.25	81	1083	6.09	81.27
73.25-74.75	85	1032	6.39	75.78
71.75-73.25	125	917	8.94	68.97
70.25-71.75	104	750	7.01	59.95
68.75-70.25	142	694	10.67	52.14
67.25-68.75	145	552	11.19	41.47
65.75-67.25	116	403	8.72	30.28
64.25-65.75	108	287	8.11	21.56
62.75-64.25	71	179	5.37	13.45
61.25-62.75	57	100	4.26	8.11
59.75-61.25	31	51	2.33	3.83
58.25-59.75	13	20	.98	1.50
56.75-58.25	6	7	.45	.53
55.25-56.75	1	1	.00	.00

300 HIF CIRCUMFERENCE

RANGES	FREQ	CUMF	FREQ	CUMFX
133.25-134.75	1	1331	.00	100.00
131.75-133.25	1	1336	.00	99.92
130.25-131.75	0	1320	0.00	99.95
128.75-130.25	0	1329	0.00	99.85
127.25-128.75	0	1329	0.00	99.85
125.75-127.25	0	1329	0.00	99.85
124.25-125.75	0	1329	0.00	99.85
122.75-124.25	1	1329	.00	99.85
121.25-122.75	1	1328	.00	99.77
119.75-121.25	0	1327	0.00	99.70
118.25-119.75	1	1327	.00	99.70
116.75-118.25	1	1326	.00	99.62
115.25-116.75	1	1325	.00	99.55
113.75-115.25	2	1324	.15	99.47
112.25-113.75	4	1322	.30	99.32
110.75-112.25	6	1318	.45	99.02
109.25-110.75	9	1312	.69	98.57
107.75-109.25	17	1303	1.28	97.50
106.25-107.75	17	1286	1.28	96.62
104.75-106.25	28	1259	2.13	95.34
103.25-104.75	45	1241	3.33	93.24
101.75-103.25	56	1106	4.21	89.76
100.25-101.75	56	1140	6.75	85.65
98.75-100.25	102	1050	7.66	78.69
97.25-98.75	101	948	7.59	71.22
95.75-97.25	144	847	10.82	63.64
94.25-95.75	120	763	9.62	52.62
92.75-94.25	122	575	9.92	43.20
91.25-92.75	109	443	8.19	33.28
89.75-91.25	172	334	7.66	25.09
88.25-89.75	30	232	6.01	17.43
86.75-88.25	54	152	4.25	11.42
85.25-86.75	77	98	2.79	7.36
83.75-85.25	28	61	2.10	4.58
82.25-83.75	15	37	1.13	2.40
80.75-82.25	10	10	.75	1.25
79.25-80.75	4	8	.30	.60
77.75-79.25	3	4	.23	.30
76.25-77.75	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

320 ARM SCYE CIRCUMFERENCE

31C VERTICAL TRUNK CIRCUMFERENCE

RANGES	FREQ	CUMF	FREQ	CUMF
105.75-107.25	1	1331	.08	100.00
104.25-105.75	0	1330	0.00	99.92
102.75-104.25	0	1330	0.00	99.92
101.25-102.75	1	1330	.08	99.92
179.75-181.25	0	1329	0.00	99.85
178.25-179.75	0	1329	0.00	99.85
176.75-178.25	0	1329	0.00	99.85
175.25-176.75	2	1329	.15	99.85
173.75-175.25	3	1327	.23	99.70
172.25-173.75	3	1324	.23	99.47
170.75-172.25	10	1321	.75	99.25
169.25-170.75	11	1311	.83	98.50
167.75-169.25	10	1300	.75	97.67
166.25-167.75	15	1290	1.13	96.92
164.75-166.25	31	1275	2.33	95.79
163.25-164.75	39	1244	2.93	93.46
161.75-163.25	47	1205	3.53	90.53
160.25-161.75	74	1158	5.56	87.00
158.75-160.25	74	1084	5.56	81.44
157.25-158.75	93	1010	6.99	75.88
155.75-157.25	119	917	8.94	68.90
154.25-155.75	97	798	7.29	59.95
152.75-154.25	101	731	7.59	52.67
151.25-152.75	110	660	8.26	45.08
149.75-151.25	106	600	7.96	36.81
148.25-149.75	95	584	7.14	28.85
146.75-148.25	85	249	6.39	21.71
145.25-146.75	60	204	4.56	15.33
143.75-145.25	42	138	3.16	10.37
142.25-143.75	23	96	1.73	7.21
140.75-142.25	32	73	2.40	5.46
139.25-140.75	13	41	.98	3.03
137.75-139.25	6	28	.60	2.10
136.25-137.75	7	20	.53	1.50
134.75-136.25	6	13	.45	.98
133.25-134.75	5	7	.38	.53
131.75-133.25	0	2	0.00	.15
130.25-131.75	2	2	.15	.15

RANGES	FREQ	CUMF	FREQ	CUMF
51.25-51.75	1	1331	.08	100.00
50.75-51.25	0	1330	0.00	99.92
50.25-50.75	0	1330	0.00	99.92
49.75-50.25	0	1330	0.00	99.92
49.25-49.75	0	1330	0.00	99.92
48.75-49.25	0	1330	0.00	99.92
48.25-48.75	0	1330	0.00	99.92
47.75-48.25	1	1330	.08	99.92
47.25-47.75	0	1329	0.00	99.85
46.75-47.25	0	1329	0.00	99.85
46.25-46.75	1	1329	.08	99.85
45.75-46.25	3	1328	.23	99.77
45.25-45.75	0	1325	0.00	99.55
44.75-45.25	4	1325	.30	99.55
44.25-44.75	3	1321	.23	99.25
43.75-44.25	5	1318	.38	99.02
43.25-43.75	6	1313	.45	98.85
42.75-43.25	7	1307	.53	98.20
42.25-42.75	13	1300	.98	97.67
41.75-42.25	18	1267	1.35	96.69
41.25-41.75	23	1269	1.73	95.34
40.75-41.25	20	1246	2.25	93.61
40.25-40.75	46	1210	3.46	91.36
39.75-40.25	60	1170	4.51	87.90
39.25-39.75	62	1110	4.66	83.40
38.75-39.25	102	1046	7.66	78.74
38.25-38.75	66	946	6.46	71.07
37.75-38.25	109	860	8.19	64.61
37.25-37.75	117	751	8.79	56.42
36.75-37.25	106	634	7.96	47.63
36.25-36.75	99	528	7.44	39.67
35.75-36.25	113	429	8.49	32.23
35.25-35.75	97	316	7.29	23.74
34.75-35.25	67	219	5.03	16.45
34.25-34.75	57	152	4.28	11.42
33.75-34.25	37	95	2.74	7.14
33.25-33.75	24	58	1.80	4.36
32.75-33.25	16	34	1.20	2.55
32.25-32.75	9	18	.68	1.35
31.75-32.25	5	9	.38	.68
31.25-31.75	2	4	.15	.30
30.75-31.25	1	2	.08	.15
30.25-30.75	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

33C BICEPS CIRCUMFERENCE, FLEXED

RANGES	FREQ	CUMF	FRQX	CUMFX
39.25- 39.75	1	1331	.08	100.00
38.75- 39.25	0	1330	0.00	99.92
38.25- 38.75	0	1330	0.00	99.92
37.75- 38.25	0	1330	0.00	99.92
37.25- 37.75	0	1330	0.00	99.92
36.75- 37.25	1	1330	.08	99.92
36.25- 36.75	0	1329	0.00	99.85
35.75- 36.25	0	1329	0.00	99.85
35.25- 35.75	0	1329	0.00	99.85
34.75- 35.25	2	1329	.15	99.65
34.25- 34.75	1	1327	.08	99.70
33.75- 34.25	3	1326	.23	99.62
33.25- 33.75	4	1323	.30	99.40
32.75- 33.25	3	1319	.23	99.10
32.25- 32.75	7	1316	.53	98.87
31.75- 32.25	5	1309	.36	98.35
31.25- 31.75	15	1304	1.43	97.97
30.75- 31.25	20	1285	1.60	96.54
30.25- 30.75	29	1265	2.18	95.04
29.75- 30.25	42	1236	3.16	92.80
29.25- 29.75	41	1194	3.08	89.71
28.75- 29.25	65	1153	4.86	86.63
28.25- 28.75	58	1088	7.36	81.74
27.75- 28.25	104	950	7.81	74.38
27.25- 27.75	127	886	9.54	66.57
26.75- 27.25	122	759	9.17	57.02
26.25- 26.75	112	637	8.41	47.36
25.75- 26.25	95	525	7.14	39.44
25.25- 25.75	54	430	7.06	32.31
24.75- 25.25	160	336	7.51	25.24
24.25- 24.75	77	236	5.79	17.73
23.75- 24.25	55	159	4.13	11.95
23.25- 23.75	40	104	3.01	7.81
22.75- 23.25	22	64	1.65	4.81
22.25- 22.75	19	42	1.43	3.16
21.75- 22.25	15	23	1.13	1.73
21.25- 21.75	5	8	.38	.60
20.75- 21.25	3	3	.23	.23

34C ELBOW CIRCUMFERENCE, FLEXED

RANGES	FREQ	CUMF	FRQX	CUMFX
32.95- 33.25	1	1331	.08	100.00
32.65- 32.95	1	1330	.08	99.92
32.35- 32.65	0	1329	0.00	99.85
32.05- 32.35	0	1329	0.00	99.85
31.75- 32.05	1	1329	.08	99.85
31.45- 31.75	0	1329	0.00	99.85
31.15- 31.45	2	1329	.15	99.85
30.85- 31.15	3	1327	.23	99.70
30.55- 30.85	2	1324	.15	99.47
30.25- 30.55	7	1322	.53	99.32
29.95- 30.25	4	1315	.30	98.80
29.65- 29.95	4	1311	.30	98.50
29.35- 29.65	12	1307	.90	98.20
29.05- 29.35	13	1295	.98	97.30
28.75- 29.05	22	1282	1.65	96.32
28.45- 28.75	18	1260	1.35	94.67
28.15- 28.45	15	1242	2.63	93.21
27.85- 28.15	37	1207	2.78	90.68
27.55- 27.85	44	1170	3.31	87.90
27.25- 27.55	74	1126	5.56	84.80
26.95- 27.25	74	1052	5.56	79.44
26.65- 26.95	70	978	5.26	73.48
26.35- 26.65	56	908	7.21	68.22
26.05- 26.35	121	812	7.59	61.01
25.75- 26.05	53	711	6.99	53.42
25.45- 25.75	108	618	9.11	46.43
25.15- 25.45	85	510	8.69	39.32
24.85- 25.15	76	421	5.71	31.63
24.55- 24.85	56	345	6.46	25.52
24.25- 24.55	85	259	6.39	19.46
23.95- 24.25	50	174	3.76	13.07
23.65- 23.95	40	124	3.46	9.32
23.35- 23.65	25	78	1.88	5.66
23.05- 23.35	23	52	1.73	3.59
22.75- 23.05	9	30	.68	2.25
22.45- 22.75	7	21	.53	1.56
22.15- 22.45	7	14	.53	1.05
21.85- 22.15	4	7	.30	.53
21.55- 21.85	2	3	.15	.23
21.25- 21.55	1	1	.08	.00

FREQUENCY TABLES FOR CORE MEASUREMENTS

35C FOREARM CIRCUMFERENCE, FLEXED					36C WRIST CIRCUMFERENCE						
RANGES		FREQ	CUMF	FRQX	CUMFX	RANGES		FREQ	CUMF	FRQX	CUMFX
32.95-33.25	1	1331	.08	100.00		17.45-17.55	1	1331	.08	100.00	
32.65-32.95	0	1330	0.00	99.92		17.35-17.45	0	1330	0.00	99.92	
32.35-32.65	0	1330	0.00	99.92		17.25-17.35	0	1330	0.00	99.92	
32.05-32.35	0	1330	0.00	99.92		17.15-17.25	0	1330	0.00	99.92	
31.75-32.05	0	1330	0.00	99.92		17.05-17.15	1	1330	.08	99.92	
31.45-31.75	0	1330	0.00	99.92		16.95-17.05	0	1329	0.00	99.85	
31.15-31.45	0	1330	0.00	99.92		16.85-16.95	0	1329	0.00	99.85	
30.85-31.15	1	1330	.08	99.92		16.75-16.85	3	1329	.27	99.85	
30.55-30.85	0	1329	0.00	99.85		16.65-16.75	1	1326	.08	99.62	
30.25-30.55	0	1329	0.00	99.85		16.55-16.65	4	1325	.30	99.55	
29.95-30.25	0	1329	0.00	99.85		16.45-16.55	2	1321	.15	99.25	
29.65-29.95	1	1329	.08	99.85		16.35-16.45	0	1319	0.00	99.10	
29.35-29.65	2	1324	.15	99.77		16.25-16.35	1	1319	.08	99.10	
29.05-29.35	2	1326	.15	99.62		16.15-16.25	11	1316	.83	99.02	
28.75-29.05	1	1324	.08	99.47		16.05-16.15	9	1307	.68	98.20	
28.45-28.75	2	1323	.15	99.40		15.95-16.05	10	1298	.75	97.52	
28.15-28.45	6	1321	.45	99.25		15.85-15.95	27	1288	2.03	96.77	
27.85-28.15	10	1315	.75	98.80		15.75-15.85	30	1261	2.48	94.74	
27.55-27.85	13	1305	.96	98.05		15.65-15.75	29	1228	2.18	92.26	
27.25-27.55	17	1292	1.28	97.07		15.55-15.65	21	1199	1.58	90.08	
26.95-27.25	33	1275	2.46	95.79		15.45-15.55	42	1178	7.16	88.50	
26.65-26.95	34	1242	2.95	93.31		15.35-15.45	32	1136	2.40	85.35	
26.35-26.65	44	1208	3.33	90.76		15.25-15.35	48	1104	3.61	82.95	
26.05-26.35	58	1164	4.36	87.45		15.15-15.25	60	1056	4.96	79.34	
25.75-26.05	72	1106	5.41	83.10		15.05-15.15	47	990	3.53	74.28	
25.45-25.75	75	1034	5.63	77.69		14.95-15.05	67	943	5.03	70.85	
25.15-25.45	92	959	6.51	72.05		14.85-14.95	72	876	5.41	65.82	
24.85-25.15	118	867	8.87	65.14		14.75-14.85	78	804	5.86	61.41	
24.55-24.85	116	749	8.72	56.27		14.65-14.75	92	726	6.91	54.55	
24.25-24.55	95	633	7.14	47.56		14.55-14.65	66	634	4.96	47.63	
23.95-24.25	161	528	7.59	40.42		14.45-14.55	98	568	7.36	42.67	
23.65-23.95	91	437	6.84	32.83		14.35-14.45	84	470	4.81	35.31	
23.35-23.65	89	346	6.69	26.00		14.25-14.35	80	466	6.01	30.50	
23.05-23.35	56	257	4.21	19.31		14.15-14.25	67	326	5.03	24.49	
22.75-23.05	55	201	4.43	15.10		14.05-14.15	36	259	2.73	19.46	
22.45-22.75	32	142	2.40	10.67		13.95-14.05	41	223	3.08	16.75	
22.15-22.45	36	110	2.70	8.26		13.85-13.95	51	152	3.83	13.67	
21.85-22.15	33	74	2.48	5.56		13.75-13.85	26	131	1.95	5.84	
21.55-21.85	16	41	1.20	3.08		13.65-13.75	22	165	1.65	7.89	
21.25-21.55	11	25	.75	1.88		13.55-13.65	20	83	1.50	6.24	
20.95-21.25	18	15	.75	1.13		13.45-13.55	26	63	1.95	4.73	
20.65-20.95	3	5	.23	.38		13.35-13.45	12	37	.90	2.78	
20.35-20.65	1	2	.08	.15		13.25-13.35	7	25	.53	1.68	
20.05-20.35	1	1	.08	.08		13.15-13.25	6	18	.45	1.35	
						13.05-13.15	4	12	.30	.90	
						12.95-13.05	3	8	.23	.60	
						12.85-12.95	5	5	.38	.38	

FREQUENCY TABLES FOR CORE MEASUREMENTS

37C UPPER THIGH CIRCUMFERENCE

RANGES	FRC	CUMF	FRQZ	CUMFX
79.75- 80.75	1	1331	.00	100.00
78.75- 79.75	0	1330	0.00	99.92
77.75- 78.75	0	1330	0.00	99.92
76.75- 77.75	0	1330	0.00	99.92
75.75- 76.75	0	1330	0.00	99.92
74.75- 75.75	0	1330	0.00	99.92
73.75- 74.75	0	1330	0.00	99.92
72.75- 73.75	2	1330	.15	99.92
71.75- 72.75	1	1328	.00	99.77
70.75- 71.75	2	1327	.15	99.70
69.75- 70.75	1	1325	.00	99.55
68.75- 69.75	7	1324	.53	99.47
67.75- 68.75	7	1317	.53	98.95
66.75- 67.75	12	1310	.90	98.42
65.75- 66.75	10	1298	.75	97.52
64.75- 65.75	16	1288	1.20	96.77
63.75- 64.75	23	1272	1.73	95.57
62.75- 63.75	35	1249	2.63	93.84
61.75- 62.75	55	1214	4.13	91.21
60.75- 61.75	73	1159	5.46	87.68
59.75- 60.75	94	1086	7.06	81.59
58.75- 59.75	101	992	7.59	74.53
57.75- 58.75	127	851	9.54	66.94
56.75- 57.75	133	764	9.99	57.40
55.75- 56.75	107	631	8.04	47.41
54.75- 55.75	109	524	8.19	39.37
53.75- 54.75	99	415	7.44	31.18
52.75- 53.75	73	316	5.48	23.74
51.75- 52.75	61	243	4.58	18.26
50.75- 51.75	59	182	4.42	13.67
49.75- 50.75	45	123	3.38	9.24
48.75- 49.75	32	78	2.40	5.86
47.75- 48.75	18	46	1.35	3.46
46.75- 47.75	10	24	.75	2.10
45.75- 46.75	10	18	.75	1.35
44.75- 45.75	6	8	.45	.60
43.75- 44.75	1	2	.08	.15
42.75- 43.75	1	1	.08	.08

38C KNEE CIRCUMFERENCE

RANGES	FRC	CUMF	FRQZ	CUMFX
45.25- 46.75	1	1331	.00	100.00
44.75- 45.25	0	1330	0.00	99.92
44.25- 44.75	0	1330	0.00	99.92
43.75- 44.25	0	1330	0.00	99.92
43.25- 43.75	0	1330	0.00	99.92
42.75- 43.25	2	1330	.15	99.92
42.25- 42.75	1	1328	.00	99.77
41.75- 42.25	3	1327	.23	99.70
41.25- 41.75	4	1324	.30	99.47
40.75- 41.25	5	1320	.38	98.17
40.25- 40.75	7	1315	.53	98.20
39.75- 40.25	7	1300	.53	98.27
39.25- 39.75	12	1291	.90	97.75
38.75- 39.25	22	1289	1.65	96.84
38.25- 38.75	22	1267	1.65	95.19
37.75- 38.25	38	1245	2.85	93.54
37.25- 37.75	55	1207	4.13	90.69
36.75- 37.25	69	1152	5.10	86.55
36.25- 36.75	91	1083	6.84	81.37
35.75- 36.25	93	992	6.99	74.53
35.25- 35.75	104	899	7.81	67.64
34.75- 35.25	144	795	10.82	59.73
34.25- 34.75	172	651	7.66	48.91
33.75- 34.25	111	549	8.34	41.25
33.25- 33.75	111	438	7.59	32.51
32.75- 33.25	65	337	7.14	25.32
32.25- 32.75	68	242	5.11	18.18
31.75- 32.25	73	174	5.48	13.07
31.25- 31.75	39	101	2.93	7.59
30.75- 31.25	29	62	2.15	4.66
30.25- 30.75	18	33	1.35	2.48
29.75- 30.25	12	15	.90	1.13
29.25- 29.75	1	3	.08	.23
28.75- 29.25	2	2	.15	.15

FREQUENCY TABLES FOR CORE MEASUREMENTS

350 Calf CIRCUMFERENCE

RANGES	FREQ	CUMF	FRQX	CUMFX
47.25- 47.75	1	1331	.08	100.00
46.75- 47.25	0	1330	0.00	99.92
46.25- 46.75	0	1330	0.00	99.92
45.75- 46.25	0	1330	0.00	99.92
45.25- 45.75	0	1330	0.00	99.92
44.75- 45.25	0	1330	0.00	99.92
44.25- 44.75	1	1330	.08	99.92
43.75- 44.25	0	1329	0.00	99.85
43.25- 43.75	1	1329	.08	99.85
42.75- 43.25	1	1328	.08	99.77
42.25- 42.75	3	1327	.23	99.70
41.75- 42.25	4	1324	.30	99.47
41.25- 41.75	2	1320	.15	99.17
40.75- 41.25	6	1318	.45	99.02
40.25- 40.75	13	1312	.96	98.57
39.75- 40.25	17	1299	1.22	97.60
39.25- 39.75	20	1282	1.50	96.32
38.75- 39.25	27	1262	2.07	94.82
38.25- 38.75	35	1235	2.93	92.79
37.75- 38.25	40	1196	3.01	89.86
37.25- 37.75	65	1156	4.88	86.85
36.75- 37.25	88	1091	6.61	81.97
36.25- 36.75	92	1033	6.92	75.36
35.75- 36.25	83	911	6.24	68.44
35.25- 35.75	113	828	8.49	62.21
34.75- 35.25	115	715	8.64	53.72
34.25- 34.75	113	610	8.49	45.68
33.75- 34.25	88	487	6.61	36.59
33.25- 33.75	96	359	7.21	29.98
32.75- 33.25	77	303	5.79	22.76
32.25- 32.75	52	226	3.91	16.90
31.75- 32.25	43	174	3.23	13.07
31.25- 31.75	41	131	3.08	9.84
30.75- 31.25	36	90	2.70	6.76
30.25- 30.75	28	54	2.16	4.06
29.75- 30.25	14	26	1.05	1.95
29.25- 29.75	6	12	.45	.90
28.75- 29.25	1	6	.08	.45
28.25- 28.75	3	5	.23	.38
27.75- 28.25	2	2	.15	.15

400 ANKLE CIRCUMFERENCE

RANGES	FREQ	CUMF	FRQX	CUMFX
24.75- 24.95	1	1331	.08	100.00
24.55- 24.75	1	1330	.08	99.92
24.35- 24.55	2	1329	.15	99.85
24.15- 24.35	2	1327	.15	99.70
23.95- 24.15	1	1325	.08	99.55
23.75- 23.95	5	1324	.30	99.47
23.55- 23.75	5	1319	.68	99.10
23.35- 23.55	11	1310	.83	98.42
23.15- 23.35	7	1299	.53	97.60
22.95- 23.15	15	1292	1.13	97.57
22.75- 22.95	18	1277	1.35	95.94
22.55- 22.75	21	1259	1.58	94.59
22.35- 22.55	45	1236	3.38	93.01
22.15- 22.35	44	1193	3.31	89.63
21.95- 22.15	46	1149	3.46	86.33
21.75- 21.95	52	1103	3.91	82.87
21.55- 21.75	53	1051	3.98	78.56
21.35- 21.55	70	998	5.26	74.98
21.15- 21.35	76	928	5.71	69.72
20.95- 21.15	86	852	6.46	64.11
20.75- 20.95	74	766	5.56	57.55
20.55- 20.75	72	692	5.41	51.59
20.35- 20.55	56	620	7.21	46.58
20.15- 20.35	85	524	6.39	39.37
19.95- 20.15	85	439	6.39	32.48
19.75- 19.95	76	354	5.71	26.60
19.55- 19.75	54	278	4.06	20.89
19.35- 19.55	56	224	4.21	16.83
19.15- 19.35	39	168	2.93	12.62
18.95- 19.15	34	129	2.55	9.69
18.75- 18.95	29	95	2.18	7.14
18.55- 18.75	14	66	1.05	4.96
18.35- 18.55	10	52	1.20	3.51
18.15- 18.35	11	36	.83	2.70
17.95- 18.15	13	25	.94	1.88
17.75- 17.95	4	12	.30	.90
17.55- 17.75	3	8	.23	.63
17.35- 17.55	2	5	.15	.38
17.15- 17.35	1	3	.08	.23
16.95- 17.15	0	2	0.00	.15
16.75- 16.95	1	2	.08	.15
16.55- 16.75	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

41C SHOULDER LENGTH

RANGES	FFQ	CUMF	FRQX	CUMFX
18.55- 18.75	1	1331	.08	100.00
18.35- 18.55	1	1330	.08	99.92
18.15- 18.35	1	1329	.08	99.85
17.95- 18.15	6	1328	.45	99.77
17.75- 17.95	4	1322	.30	99.32
17.55- 17.75	5	1318	.32	99.42
17.35- 17.55	6	1313	.45	98.65
17.15- 17.35	12	1307	.90	98.20
16.95- 17.15	14	1295	1.05	97.30
16.75- 16.95	25	1281	1.08	96.24
16.55- 16.75	24	1256	1.00	94.37
16.35- 16.55	39	1232	2.93	92.56
16.15- 16.35	34	1153	2.55	89.63
15.95- 16.15	69	1159	5.18	87.68
15.75- 15.95	66	1090	4.96	81.89
15.55- 15.75	73	1024	5.48	76.93
15.35- 15.55	100	951	7.51	71.45
15.15- 15.35	106	851	7.96	63.94
14.95- 15.15	99	745	7.44	55.97
14.75- 14.95	93	646	6.69	48.53
14.55- 14.75	102	553	7.66	41.55
14.35- 14.55	89	451	6.69	33.88
14.15- 14.35	87	362	6.54	27.20
13.95- 14.15	72	275	5.41	20.66
13.75- 13.95	57	203	4.28	15.25
13.55- 13.75	41	146	3.08	10.97
13.35- 13.55	30	105	2.25	7.89
13.15- 13.35	26	75	1.95	5.63
12.95- 13.15	16	49	1.20	3.68
12.75- 12.95	12	33	.95	2.48
12.55- 12.75	4	21	.30	1.58
12.35- 12.55	6	17	.45	1.28
12.15- 12.35	6	11	.45	.83
11.95- 12.15	3	5	.23	.38
11.75- 11.95	2	2	.15	.15

42C INTERSCYE, BACK

RANGES	FFQ	CUMF	FRQX	CUMFX
47.25- 47.75	1	1331	.08	100.00
46.75- 47.25	0	1330	0.00	99.92
46.25- 46.75	0	1330	0.00	99.92
45.75- 46.25	0	1330	0.00	99.92
45.25- 45.75	1	1330	.08	99.92
44.75- 45.25	4	1329	.30	99.85
44.25- 44.75	1	1325	.08	99.55
43.75- 44.25	5	1324	.38	99.47
43.25- 43.75	7	1319	.53	99.10
42.75- 43.25	5	1312	.38	98.57
42.25- 42.75	13	1307	.95	98.20
41.75- 42.25	27	1294	2.03	97.22
41.25- 41.75	37	1267	2.78	95.19
40.75- 41.25	42	1230	3.16	92.41
40.25- 40.75	61	1188	4.58	89.26
39.75- 40.25	78	1127	5.86	84.67
39.25- 39.75	79	1049	5.94	78.81
38.75- 39.25	99	970	7.44	72.36
38.25- 38.75	109	872	8.19	65.44
37.75- 38.25	113	762	8.49	57.25
37.25- 37.75	120	649	9.02	48.76
36.75- 37.25	96	529	7.21	39.74
36.25- 36.75	105	433	7.89	32.53
35.75- 36.25	88	328	6.61	24.64
35.25- 35.75	72	240	5.41	18.03
34.75- 35.25	43	168	3.23	12.62
34.25- 34.75	44	125	3.31	9.39
33.75- 34.25	28	81	2.10	6.09
33.25- 33.75	16	53	1.20	3.68
32.75- 33.25	17	37	1.28	2.78
32.25- 32.75	10	20	.75	1.50
31.75- 32.25	3	14	.23	.75
31.25- 31.75	4	7	.30	.53
30.75- 31.25	2	3	.15	.23
30.25- 30.75	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

43C INTERSCYE, FRONT

RANGES	FREQ	CUMF	FREQ	CUMFZ
40.45- 40.75	1	1331	.02	100.00
40.15- 40.45	0	1330	0.00	99.92
39.85- 40.15	0	1330	0.00	99.92
39.55- 39.85	0	1330	0.00	99.92
39.25- 39.55	0	1330	0.00	99.92
38.95- 39.25	0	1330	0.00	99.92
38.65- 38.95	2	1330	.15	99.92
38.35- 38.65	1	1328	.08	99.77
38.05- 38.35	1	1327	.08	99.70
37.75- 38.05	2	1326	.15	99.62
37.45- 37.75	8	1324	.60	99.47
37.15- 37.45	10	1316	.75	98.87
36.85- 37.15	8	1306	.50	98.12
36.55- 36.85	10	1298	.75	97.52
36.25- 36.55	15	1288	1.13	96.77
35.95- 36.25	24	1273	1.80	95.64
35.65- 35.95	25	1249	1.86	93.84
35.35- 35.65	37	1224	2.78	91.96
35.05- 35.35	40	1187	3.01	89.18
34.75- 35.05	57	1147	4.28	86.18
34.45- 34.75	66	1090	4.96	81.89
34.15- 34.45	62	1024	4.66	76.93
33.85- 34.15	74	962	5.56	72.28
33.55- 33.85	67	888	5.03	66.72
33.25- 33.55	98	821	7.36	61.68
32.95- 33.25	118	723	8.87	54.32
32.65- 32.95	89	605	6.69	45.45
32.35- 32.65	88	516	6.61	38.77
32.05- 32.35	79	428	5.94	32.16
31.75- 32.05	81	349	6.09	26.22
31.45- 31.75	58	268	4.36	20.14
31.15- 31.45	43	210	3.27	15.78
30.85- 31.15	45	167	3.38	12.55
30.55- 30.85	31	122	2.33	9.17
30.25- 30.55	36	91	2.70	6.84
29.95- 30.25	15	55	1.13	4.13
29.65- 29.95	22	40	1.65	3.01
29.35- 29.65	7	18	.53	1.35
29.05- 29.35	5	11	.38	.83
28.75- 29.05	1	6	.08	.45
28.45- 28.75	4	5	.20	.38
28.15- 28.45	1	1	.08	.08

44C BACK CURVATURE-BUST LEVEL

RANGES	FREQ	CUMF	FREQ	CUMFZ
61.75- 62.75	1	1331	.08	100.00
60.75- 61.75	0	1330	0.00	99.92
59.75- 60.75	0	1330	0.00	99.92
58.75- 59.75	0	1330	0.00	99.92
57.75- 58.75	0	1330	0.00	99.92
56.75- 57.75	0	1330	0.00	99.92
55.75- 56.75	0	1330	0.00	99.92
54.75- 55.75	2	1330	.15	99.92
53.75- 54.75	0	1328	0.00	99.77
52.75- 53.75	3	1328	.23	99.77
51.75- 52.75	1	1325	.08	99.55
50.75- 51.75	5	1324	.38	99.47
49.75- 50.75	10	1319	.75	99.10
48.75- 49.75	8	1309	.60	98.35
47.75- 48.75	20	1301	1.50	97.75
46.75- 47.75	42	1281	3.16	96.24
45.75- 46.75	57	1239	4.28	93.09
44.75- 45.75	60	1182	6.01	88.81
43.75- 44.75	127	1102	9.54	82.79
42.75- 43.75	143	975	10.74	73.25
41.75- 42.75	175	832	13.15	62.51
40.75- 41.75	150	657	14.27	49.36
39.75- 40.75	155	467	11.65	35.09
38.75- 39.75	117	312	5.79	23.44
37.75- 38.75	89	195	6.69	14.65
36.75- 37.75	55	116	4.13	7.96
35.75- 36.75	31	51	2.33	3.83
34.75- 35.75	15	20	1.13	1.50
33.75- 34.75	4	5	.30	.38
32.75- 33.75	0	1	0.00	.08
31.75- 32.75	0	1	0.00	.08
30.75- 31.75	0	1	0.00	.08
29.75- 30.75	1	1	.93	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

45C BACK CURVATURE-WAIST LEVEL

RANGES	FREQ	CUMF	FPOZ	CUMFX
50.75-55.75	1	1331	.08	100.90
57.75-58.75	0	1330	0.00	99.92
56.75-57.75	0	1330	0.00	99.92
55.75-56.75	0	1330	0.00	99.92
54.75-55.75	1	1331	.08	99.92
53.75-54.75	0	1329	0.00	99.95
52.75-53.75	0	1329	0.00	99.95
51.75-52.75	1	1329	.08	99.95
50.75-51.75	1	1328	.06	99.77
49.75-50.75	1	1327	.08	99.70
48.75-49.75	1	1326	.08	99.62
47.75-48.75	2	1325	.15	99.55
46.75-47.75	2	1323	.15	99.40
45.75-46.75	5	1321	.36	99.25
44.75-45.75	9	1316	.68	98.87
43.75-44.75	9	1317	.68	98.20
42.75-43.75	14	1298	1.05	97.52
41.75-42.75	24	1284	1.50	96.47
40.75-41.75	24	1264	1.90	94.97
39.75-40.75	32	1240	2.42	93.16
38.75-39.75	38	1209	2.85	90.76
37.75-38.75	54	1170	7.06	87.90
36.75-37.75	121	1076	9.66	80.84
35.75-36.75	135	955	10.44	71.75
34.75-35.75	175	816	13.15	61.31
33.75-34.75	180	641	13.52	48.16
32.75-33.75	170	461	12.77	34.64
31.75-32.75	127	291	9.54	21.86
30.75-31.75	80	144	6.61	12.32
29.75-30.75	48	76	3.61	5.71
28.75-29.75	24	20	1.80	2.10
27.75-28.75	3	4	.23	.30
26.75-27.75	1	1	.08	.08

46C BACK CURVATURE-HIP LEVEL

RANGES	FREQ	CUMF	FPOZ	CUMFX
67.75-68.75	1	1331	.08	100.90
66.75-67.75	0	1330	0.00	99.92
65.75-66.75	1	1330	.08	99.92
64.75-65.75	0	1329	0.00	99.95
63.75-64.75	0	1329	0.00	99.95
62.75-63.75	0	1329	0.00	99.95
61.75-62.75	0	1329	0.00	99.95
60.75-61.75	0	1329	.08	99.95
59.75-60.75	2	1329	.15	99.85
58.75-59.75	1	1327	.08	99.70
57.75-58.75	4	1326	.30	99.62
56.75-57.75	8	1322	.60	98.22
55.75-56.75	11	1314	.83	98.72
54.75-55.75	27	1303	2.63	97.50
53.75-54.75	21	1276	1.58	95.67
52.75-53.75	14	1255	2.25	94.29
51.75-52.75	58	1221	4.36	92.04
50.75-51.75	64	1107	4.81	87.68
49.75-50.75	93	1111	6.99	82.87
48.75-49.75	136	1015	10.22	75.88
47.75-48.75	135	874	10.44	65.06
46.75-47.75	167	735	12.55	55.22
45.75-46.75	139	568	10.44	42.67
44.75-45.75	144	429	11.82	32.23
43.75-44.75	69	265	6.59	21.41
42.75-43.75	72	196	5.41	14.73
41.75-42.75	56	124	4.21	9.32
40.75-41.75	37	64	2.70	5.11
39.75-40.75	17	31	1.24	2.33
38.75-39.75	7	14	.53	1.15
37.75-38.75	4	7	.33	.53
36.75-37.75	2	3	.15	.23
35.75-36.75	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

47C WAIST BACK LENGTH

RANGES	FREQ	CUMF	FREQ	CUMFX
51.25- 51.75	1	1331	.08	100.00
50.75- 51.25	0	1330	0.00	99.92
50.25- 50.75	0	1330	0.00	99.92
49.75- 50.25	3	1333	.23	99.90
49.25- 49.75	1	1327	.08	99.70
48.75- 49.25	2	1326	.15	99.62
48.25- 48.75	1	1324	.08	99.47
47.75- 48.25	4	1323	.30	99.40
47.25- 47.75	4	1319	.30	90.10
46.75- 47.25	10	1315	.75	98.80
46.25- 46.75	16	1305	.75	98.05
45.75- 46.25	18	1293	1.35	97.30
45.25- 45.75	23	1277	1.70	95.94
44.75- 45.25	24	1254	1.80	94.21
44.25- 44.75	33	1230	2.40	92.41
43.75- 44.25	44	1197	3.31	89.03
43.25- 43.75	41	1153	3.08	86.53
42.75- 43.25	75	1112	5.94	83.55
42.25- 42.75	80	1033	6.01	77.61
41.75- 42.25	109	953	8.19	71.60
41.25- 41.75	95	844	7.14	63.41
40.75- 41.25	91	749	6.84	56.27
40.25- 40.75	86	658	6.46	49.44
39.75- 40.25	93	572	6.99	42.98
39.25- 39.75	98	479	7.36	35.99
38.75- 39.25	86	381	6.48	28.63
38.25- 38.75	70	255	5.26	22.16
37.75- 38.25	64	225	4.81	16.90
37.25- 37.75	48	161	3.61	12.10
36.75- 37.25	46	113	3.06	8.49
36.25- 36.75	30	67	2.25	5.03
35.75- 36.25	16	37	1.20	2.78
35.25- 35.75	2	21	.61	1.56
34.75- 35.25	5	13	.36	.98
34.25- 34.75	5	8	.36	.60
33.75- 34.25	2	3	.15	.23
33.25- 33.75	1	1	.08	.00

48C WAIST FRONT LENGTH

RANGES	FREQ	CUMF	FREQ	CUMFX
47.25- 47.75	1	1331	.08	100.00
46.75- 47.25	1	1333	.08	99.92
46.25- 46.75	2	1329	.15	99.85
45.75- 46.25	1	1327	.08	99.70
45.25- 45.75	3	1326	.23	99.62
44.75- 45.25	3	1323	.23	99.40
44.25- 44.75	3	1320	.23	99.17
43.75- 44.25	7	1317	.53	98.65
43.25- 43.75	3	1310	.23	98.42
42.75- 43.25	4	1307	.30	98.20
42.25- 42.75	14	1303	1.05	97.60
41.75- 42.25	10	1269	.75	96.84
41.25- 41.75	24	1279	1.80	96.09
40.75- 41.25	21	1255	1.58	94.29
40.25- 40.75	23	1234	1.73	92.71
39.75- 40.25	30	1211	2.05	90.98
39.25- 39.75	29	1173	2.93	88.13
38.75- 39.25	52	1134	3.91	85.20
38.25- 38.75	65	1092	7.14	81.29
37.75- 38.25	66	987	6.46	74.15
37.25- 37.75	85	901	6.39	67.69
36.75- 37.25	104	816	7.81	61.31
36.25- 36.75	119	712	8.94	53.49
35.75- 36.25	97	590	7.29	44.55
35.25- 35.75	90	446	6.76	37.27
34.75- 35.25	66	406	6.46	30.50
34.25- 34.75	24	320	6.31	24.54
33.75- 34.25	22	230	6.16	17.73
33.25- 33.75	50	154	4.36	11.57
32.75- 33.25	40	96	3.61	7.21
32.25- 32.75	20	56	1.50	4.21
31.75- 32.25	21	36	1.58	2.70
31.25- 31.75	5	15	.36	1.13
30.75- 31.25	3	10	.23	.75
30.25- 30.75	0	7	.36	.53
29.75- 30.25	1	2	.08	.15
29.25- 29.75	1	1	.08	.00

FREQUENCY TABLES FOR CORE MEASUREMENTS

450 NECK TO BUSTPOINT

RANGES	FFC	CLMF	FRGZ	CUMFX
32.95- 32.25	1	1331	.06	100.00
32.65- 32.95	0	1330	0.00	99.92
32.35- 32.65	0	1330	0.00	99.92
32.05- 32.35	2	1330	.15	99.92
31.75- 32.05	1	1328	.06	99.77
31.45- 31.75	1	1327	.06	99.70
31.15- 31.45	2	1326	0.00	99.62
30.85- 31.15	4	1326	.30	99.62
30.55- 30.85	3	1322	.23	99.32
30.25- 30.55	6	1319	.75	99.10
29.95- 30.25	10	1313	.75	98.65
29.65- 29.95	2	1301	.15	97.90
29.35- 29.65	7	1301	.52	97.75
29.05- 29.35	12	1294	.90	97.22
28.75- 29.05	16	1282	1.20	96.32
28.45- 28.75	22	1266	1.65	95.12
28.15- 28.45	14	1244	1.05	93.46
27.85- 28.15	42	1230	3.16	92.41
27.55- 27.85	47	1188	2.78	89.26
27.25- 27.55	31	1151	2.94	86.44
26.95- 27.25	66	1078	4.96	82.49
26.65- 26.95	44	1032	3.31	77.54
26.35- 26.65	62	988	4.66	74.23
26.05- 26.35	51	926	3.83	69.57
25.75- 26.05	74	875	5.56	65.74
25.45- 25.75	73	801	5.40	60.18
25.15- 25.45	71	728	5.33	54.70
24.85- 25.15	87	657	6.54	49.36
24.55- 24.85	72	573	5.42	42.82
24.25- 24.55	75	468	5.64	37.42
23.95- 24.25	78	419	5.86	31.48
23.65- 23.95	49	341	3.68	25.62
23.35- 23.65	54	292	4.08	21.94
23.05- 23.35	47	238	3.52	17.88
22.75- 23.05	30	191	2.94	14.35
22.45- 22.75	39	159	2.98	11.95
22.15- 22.45	35	120	2.63	9.12
21.85- 22.15	35	85	1.82	6.39
21.55- 21.85	72	60	1.65	4.51
21.25- 21.55	13	30	.93	2.85
20.95- 21.25	14	25	1.05	1.83
20.65- 20.95	3	11	.23	.87
20.35- 20.65	3	5	.23	.60
20.05- 20.35	3	5	.08	.30
19.75- 20.05	2	4	.15	.30
19.45- 19.75	1	2	.00	.15
19.15- 19.45	0	1	0.00	.08
18.85- 19.15	1	1	.02	.68

500 AXILLA TO WAIST

RANGES	FFC	CUMF	FPOX	CUMFX
34.75- 35.25	1	1331	.08	100.00
34.25- 34.75	0	1330	0.00	99.92
33.75- 34.25	0	1330	0.00	99.92
33.25- 33.75	0	1330	0.00	99.92
32.75- 33.25	0	1330	0.00	99.92
32.25- 32.75	1	1330	.06	99.92
31.75- 32.25	4	1329	.30	99.65
31.25- 31.75	1	1325	.03	99.55
30.75- 31.25	3	1324	.23	99.47
30.25- 30.75	10	1321	.75	99.25
29.75- 30.25	2	1311	.23	98.50
29.25- 29.75	8	1308	.60	98.27
28.75- 29.25	2	1300	.15	97.67
28.25- 28.75	9	1298	.63	97.52
27.75- 28.25	12	1209	.90	96.84
27.25- 27.75	17	1277	1.28	95.94
26.75- 27.25	34	1260	2.55	94.57
26.25- 26.75	28	1226	2.10	92.11
25.75- 26.25	43	1198	3.23	90.01
25.25- 25.75	37	1155	4.28	86.76
24.75- 25.25	72	1098	5.41	82.49
24.25- 24.75	82	1028	6.16	77.04
23.75- 24.25	110	944	8.26	70.92
23.25- 23.75	103	834	7.76	62.66
22.75- 23.25	58	731	7.35	54.92
22.25- 22.75	59	633	7.44	47.56
21.75- 22.25	126	534	9.47	40.12
21.25- 21.75	87	408	6.54	30.65
20.75- 21.25	82	321	6.91	24.12
20.25- 20.75	80	229	6.01	17.21
19.75- 20.25	64	142	4.62	11.19
19.25- 19.75	29	65	2.25	5.39
18.75- 19.25	22	55	1.65	4.13
18.25- 18.75	15	37	1.13	2.48
17.75- 18.25	10	18	.75	1.35
17.25- 17.75	4	8	.34	.60
16.75- 17.25	2	4	.15	.30
16.25- 16.75	2	2	.15	.15

FREQUENCY TABLES FOR CORE MEASUREMENTS

51C SLEEVE INSEAM LENGTH					52C SLEEVE CUTSEAM LENGTH				
RANGES	FRC	CLMF	FRCX	CUMFX	RANGES	FRC	CUMF	FRCX	CUMFX
54.25- 54.75	1	1331	.00	100.00	64.25- 64.75	2	1331	.15	100.00
53.75- 54.25	1	1330	0.00	99.92	63.75- 64.25	0	1329	0.00	99.85
53.25- 53.75	1	1330	.00	99.92	63.25- 63.75	0	1329	0.00	99.85
52.75- 53.25	2	1329	.15	99.85	62.75- 63.25	1	1329	.38	99.85
52.25- 52.75	3	1327	.23	99.70	62.25- 62.75	0	1328	0.00	99.77
51.75- 52.25	6	1324	.45	99.47	61.75- 62.25	2	1328	.15	99.77
51.25- 51.75	5	1318	.38	99.12	61.25- 61.75	2	1326	.15	99.62
50.75- 51.25	8	1313	.60	98.65	60.75- 61.25	6	1324	.45	99.47
50.25- 50.75	15	1305	1.13	98.05	60.25- 60.75	7	1318	.53	99.02
49.75- 50.25	14	1290	1.05	96.92	59.75- 60.25	15	1311	1.13	98.50
49.25- 49.75	21	1276	1.50	95.87	59.25- 59.75	17	1296	1.25	97.37
48.75- 49.25	41	1255	3.08	94.29	58.75- 59.25	16	1279	1.35	96.19
48.25- 48.75	40	1214	3.01	91.21	58.25- 58.75	26	1261	1.95	94.74
47.75- 48.25	48	1174	3.61	88.20	57.75- 58.25	47	1235	3.01	92.79
47.25- 47.75	45	1126	3.32	84.60	57.25- 57.75	38	1195	2.85	89.75
46.75- 47.25	86	1082	6.46	81.22	56.75- 57.25	50	1157	3.76	86.93
46.25- 46.75	83	995	6.24	74.75	56.25- 56.75	49	1107	3.68	83.17
45.75- 46.25	85	912	6.30	68.52	55.75- 56.25	73	1058	5.48	79.49
45.25- 45.75	85	827	6.65	62.13	55.25- 55.75	57	985	4.28	74.00
44.75- 45.25	106	738	7.96	55.45	54.75- 55.25	78	928	5.80	69.77
44.25- 44.75	94	632	7.06	47.48	54.25- 54.75	79	851	5.94	63.86
43.75- 44.25	102	534	7.66	40.42	53.75- 54.25	93	771	6.99	57.93
43.25- 43.75	102	436	7.66	32.76	53.25- 53.75	81	678	6.09	50.94
42.75- 43.25	83	334	6.24	25.09	52.75- 53.25	67	597	6.34	44.85
42.25- 42.75	61	251	4.58	18.86	52.25- 52.75	74	510	5.56	38.32
41.75- 42.25	61	199	4.58	14.27	51.75- 52.25	77	426	5.79	32.76
41.25- 41.75	49	129	3.66	9.69	51.25- 51.75	55	359	7.14	26.57
40.75- 41.25	26	80	1.55	6.01	50.75- 51.25	67	264	5.03	19.83
40.25- 40.75	23	54	1.73	4.86	50.25- 50.75	57	197	4.23	14.60
39.75- 40.25	13	31	.98	2.33	49.75- 50.25	43	140	3.21	10.52
39.25- 39.75	8	18	.60	1.35	49.25- 49.75	39	97	2.18	7.29
38.75- 39.25	3	10	.23	.75	48.75- 49.25	23	66	1.73	5.11
38.25- 38.75	2	7	.15	.53	48.25- 48.75	13	45	.95	3.38
37.75- 38.25	1	5	.23	.38	47.75- 48.25	11	32	.83	2.40
37.25- 37.75	1	2	.06	.15	47.25- 47.75	5	21	.38	1.58
36.75- 37.25	0	1	0.00	.08	46.75- 47.25	7	16	.53	1.20
36.25- 36.75	1	1	.00	.08	46.25- 46.75	7	9	.23	.84
					45.75- 46.25	3	6	.23	.49
					45.25- 45.75	2	3	.15	.23
					44.75- 45.25	0	1	0.00	.08
					44.25- 44.75	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

53C CATCH LENGTH

RANGES	FRC	CLMF	FRQX	CUMFX
99.75-100.75	1	1331	.08	100.06
99.75-99.75	0	1330	0.00	99.92
97.75-98.75	0	1330	0.00	99.92
96.75-97.75	0	1330	0.00	99.92
95.75-96.75	0	1330	0.00	99.92
94.75-95.75	0	1330	0.00	99.92
93.75-94.75	0	1330	0.00	99.92
92.75-93.75	0	1330	0.00	99.92
91.75-92.75	0	1330	0.00	99.92
90.75-91.75	0	1330	0.00	99.92
89.75-90.75	0	1330	0.00	99.92
88.75-89.75	0	1330	0.00	99.92
87.75-88.75	0	1330	0.00	99.92
86.75-87.75	3	1330	.23	99.92
85.75-86.75	3	1327	.80	99.76
84.75-85.75	6	1319	.45	99.10
83.75-84.75	8	1313	.60	98.65
82.75-83.75	12	1305	.90	98.05
81.75-82.75	19	1293	1.43	97.15
80.75-81.75	26	1274	1.95	95.72
79.75-80.75	36	1248	2.70	93.76
78.75-79.75	45	1212	3.38	91.06
77.75-78.75	82	1167	6.01	87.68
76.75-77.75	84	1087	6.31	81.67
75.75-76.75	84	1007	6.31	75.36
74.75-75.75	86	919	6.46	69.05
73.75-74.75	110	833	8.26	62.58
72.75-73.75	85	723	6.19	54.32
71.75-72.75	99	638	7.44	47.93
70.75-71.75	111	539	8.34	40.50
69.75-70.75	82	428	6.16	32.16
68.75-69.75	74	346	5.56	26.00
67.75-68.75	67	272	5.03	20.44
66.75-67.75	59	215	4.43	15.40
65.75-66.75	41	146	3.06	10.97
64.75-65.75	24	105	1.80	7.89
63.75-64.75	15	81	1.13	6.09
62.75-63.75	12	66	.90	4.96
61.75-62.75	17	54	1.28	4.06
60.75-61.75	10	37	.75	2.78
59.75-60.75	5	27	.38	2.03
58.75-59.75	3	22	.23	1.65
57.75-58.75	7	19	.53	1.43
56.75-57.75	2	12	.15	.90
55.75-56.75	2	10	.15	.75
54.75-55.75	1	8	.08	.60
53.75-54.75	1	7	.08	.53
52.75-53.75	3	6	.23	.45
51.75-52.75	3	3	.23	.23

54C HEAD CIRCUMFERENCE

RANGES	FRC	CUMF	FRQX	CUMFX
61.15-61.45	1	1331	.08	100.00
60.65-61.15	0	1330	0.00	99.92
60.55-60.85	6	1330	7.00	99.92
60.25-60.55	3	1331	.23	99.92
59.95-60.25	1	1327	.08	99.70
59.65-59.95	1	1326	.08	99.62
59.35-59.65	6	1325	.45	99.55
59.05-59.35	7	1319	.53	99.10
58.75-59.05	3	1312	.23	98.57
58.45-58.75	7	1309	.53	98.35
58.15-58.45	14	1302	1.05	97.62
57.85-58.15	18	1288	1.35	96.77
57.55-57.85	13	1270	.98	95.42
57.25-57.55	37	1257	2.78	94.44
56.95-57.25	40	1220	3.01	91.66
56.65-56.95	74	1180	2.55	85.66
56.35-56.65	66	1146	4.96	81.10
56.05-56.35	59	1080	4.43	81.14
55.75-56.05	70	1021	5.26	76.71
55.45-55.75	105	951	7.89	71.45
55.15-55.45	75	846	5.63	63.56
54.85-55.15	110	771	8.26	57.93
54.55-54.85	102	661	7.66	49.66
54.25-54.55	56	559	6.61	42.00
53.95-54.25	106	471	7.81	35.19
53.65-53.95	64	367	6.31	27.57
53.35-53.65	64	283	4.81	21.26
53.05-53.35	52	219	3.91	16.45
52.75-53.05	54	167	4.05	12.55
52.45-52.75	38	113	2.85	8.49
52.15-52.45	24	75	1.80	5.63
51.85-52.15	22	51	1.65	3.83
51.55-51.85	5	29	.68	2.18
51.25-51.55	10	20	.75	1.50
50.95-51.25	7	10	.53	.75
50.65-50.95	1	3	.08	.23
50.35-50.65	0	2	0.00	.15
50.05-50.35	1	2	.08	.15
49.75-50.05	0	1	0.00	.08
49.45-49.75	1	1	.08	.06

FREQUENCY TABLES FOR CORE MEASUREMENTS

56C HEAD LENGTH

55C HEAD BREADTH

RANGES		FFC	CUMF	FRQX	CUMFX
16.45-	16.55	1	1331	.08	103.00
16.35-	16.45	2	1330	.15	99.92
16.25-	16.35	3	1328	.23	99.77
16.15-	16.25	4	1325	.30	99.55
16.05-	16.15	7	1325	.53	99.55
15.95-	16.05	7	1318	.53	99.02
15.85-	15.95	10	1311	.75	98.50
15.75-	15.85	4	1361	.30	97.75
15.65-	15.75	11	1257	.83	97.45
15.55-	15.65	15	1286	1.13	96.62
15.45-	15.55	27	1271	2.03	95.49
15.35-	15.45	31	1244	2.33	93.46
15.25-	15.35	32	1213	2.40	91.13
15.15-	15.25	52	1181	3.91	88.73
15.05-	15.15	79	1129	5.94	84.82
14.95-	15.05	66	1057	4.56	78.89
14.85-	14.95	73	984	5.46	73.93
14.75-	14.85	69	911	5.18	68.44
14.65-	14.75	92	842	6.91	63.26
14.55-	14.65	115	750	8.64	56.35
14.45-	14.55	119	635	8.94	47.71
14.35-	14.45	101	516	7.59	38.77
14.25-	14.35	77	415	5.75	31.18
14.15-	14.25	89	338	6.65	25.39
14.05-	14.15	75	249	5.63	18.71
13.95-	14.05	52	174	3.91	13.07
13.85-	13.95	26	122	1.95	9.17
13.75-	13.85	27	96	2.03	7.21
13.65-	13.75	26	69	1.95	5.16
13.55-	13.65	15	43	1.13	3.23
13.45-	13.55	13	28	.94	2.10
13.35-	13.45	6	15	.40	1.13
13.25-	13.35	4	7	.30	.53
13.15-	13.25	2	3	.15	.23
13.05-	13.15	0	1	0.00	.08
12.95-	13.05	1	1	.08	.00

RANGES		FFC	CUMF	FRQX	CUMFX
20.75-	20.85	3	1331	.23	100.00
20.65-	20.75	1	1328	.08	99.77
20.55-	20.65	2	1327	.15	99.70
20.45-	20.55	0	1325	0.00	99.55
20.35-	20.45	3	1325	.23	99.55
20.25-	20.35	6	1322	.45	99.32
20.15-	20.25	3	1316	.23	98.87
20.05-	20.15	12	1313	.90	98.65
19.95-	20.05	20	1301	1.50	97.75
19.85-	19.95	14	1281	1.05	96.24
19.75-	19.85	11	1267	.83	95.19
19.65-	19.75	25	1254	1.68	94.17
19.55-	19.65	33	1231	2.48	92.49
19.45-	19.55	55	1198	4.13	90.01
19.35-	19.45	43	1143	3.23	85.88
19.25-	19.35	34	1100	2.55	82.64
19.15-	19.25	68	1066	5.11	80.09
19.05-	19.15	66	998	5.11	74.58
18.95-	19.05	77	937	5.79	69.87
18.85-	18.95	67	853	5.07	64.09
18.75-	18.85	62	786	4.66	59.05
18.65-	18.75	55	724	6.39	54.40
18.55-	18.65	66	639	7.21	48.01
18.45-	18.55	62	543	6.91	40.80
18.35-	18.45	85	451	6.39	33.88
18.25-	18.35	66	366	4.21	27.50
18.15-	18.25	56	310	4.21	23.29
18.05-	18.15	53	254	3.93	19.08
17.95-	18.05	43	201	3.23	15.10
17.85-	17.95	35	158	2.63	11.87
17.75-	17.85	18	121	1.35	9.24
17.65-	17.75	20	105	1.50	7.89
17.55-	17.65	23	85	1.73	6.29
17.45-	17.55	20	62	1.50	4.66
17.35-	17.45	16	42	.75	3.16
17.25-	17.35	7	32	.53	2.40
17.15-	17.25	10	25	.75	1.88
17.05-	17.15	3	15	.23	1.13
16.95-	17.05	5	12	.38	.90
16.85-	16.95	1	7	.08	.53
16.75-	16.85	2	6	.15	.45
16.65-	16.75	1	4	.08	.10
16.55-	16.65	1	3	.08	.23
16.45-	16.55	9	2	0.00	.15
16.35-	16.45	0	2	0.00	.15
16.25-	16.35	1	2	.08	.15
16.15-	16.25	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

57C PALP LENGTH

RANGES	FREQ	CUMF	FREQ	CUMFX
11.55-11.65	2	1331	.15	100.00
11.45-11.55	3	1329	.08	99.85
11.35-11.45	1	1328	.08	99.77
11.25-11.35	5	1327	.38	99.70
11.15-11.25	4	1322	.30	99.32
11.05-11.15	10	1318	.75	99.02
10.95-11.05	14	1308	1.05	98.27
10.85-10.95	15	1254	1.13	97.22
10.75-10.85	21	1279	1.56	96.69
10.65-10.75	29	1258	2.18	94.52
10.55-10.65	36	1229	2.70	92.34
10.45-10.55	52	1193	3.91	89.63
10.35-10.45	55	1141	4.13	85.73
10.25-10.35	68	1086	5.11	81.59
10.15-10.25	64	1018	4.51	76.48
10.05-11.15	116	954	8.72	71.68
9.95-10.05	91	838	6.84	62.96
9.85-9.95	105	747	7.89	56.12
9.75-9.85	90	642	8.78	48.23
9.65-9.75	108	552	8.11	41.47
9.55-9.65	84	444	6.31	33.36
9.45-9.55	48	360	6.61	27.05
9.35-9.45	57	272	5.03	20.44
9.25-9.35	53	205	3.98	15.40
9.15-9.25	47	152	3.53	11.42
9.05-9.15	40	105	3.01	7.89
8.95-9.05	25	65	1.88	4.88
8.85-8.95	15	40	1.13	3.01
8.75-8.85	15	25	1.13	1.88
8.65-8.75	5	10	.38	.75
8.55-8.65	2	5	.15	.38
8.45-8.55	1	3	.08	.23
8.35-8.45	1	2	.08	.15
8.25-8.35	0	1	0.00	.08
8.15-8.25	1	1	.00	.08

53C PANC BREADTH

RANGES	FREQ	CUMF	FREQ	CUMFX
9.05-9.15	1	1331	.08	100.00
8.95-9.05	4	1330	.30	99.92
8.85-8.95	1	1326	.08	99.62
8.75-8.85	3	1325	.23	99.55
8.65-8.75	11	1322	.63	99.32
8.55-8.65	15	1311	1.13	98.50
8.45-8.55	28	1296	2.10	97.37
8.35-8.45	56	1268	4.21	95.27
8.25-8.35	70	1217	5.26	91.06
8.15-8.25	57	1142	6.54	85.80
8.05-8.15	68	1055	6.61	79.26
7.95-8.05	128	967	9.62	72.65
7.85-7.95	123	839	9.24	63.64
7.75-7.85	143	716	10.74	53.79
7.65-7.75	128	573	9.62	43.05
7.55-7.65	115	444	9.04	33.43
7.45-7.55	89	320	8.69	24.79
7.35-7.45	84	241	6.31	18.11
7.25-7.35	68	157	5.11	11.80
7.15-7.25	38	80	2.85	6.69
7.05-7.15	24	51	1.81	3.83
6.95-7.05	14	27	1.05	2.03
6.85-6.95	4	17	.45	.75
6.75-6.85	7	7	.30	.51
6.65-6.75	2	3	.15	.23
6.55-6.65	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

500 HAND CIRCUMFERENCE

RANGES	FREQ	CL+F	FRQX	CUMFX
21.15- 21.35	2	1331	.15	100.00
20.95- 21.15	3	1329	.23	99.85
20.75- 20.95	1	1326	.06	99.62
20.55- 20.75	3	1325	.23	99.55
20.35- 20.55	5	1322	.36	99.32
20.15- 20.35	12	1317	.90	98.95
19.95- 20.15	31	1305	2.33	98.05
19.75- 19.95	35	1274	2.63	95.77
19.55- 19.75	49	1239	3.66	93.09
19.35- 19.55	70	1190	5.26	89.41
19.15- 19.35	57	1120	4.26	84.15
18.95- 19.15	114	1063	8.56	79.86
18.75- 18.95	75	949	5.63	71.30
18.55- 18.75	136	874	10.22	65.66
18.35- 18.55	132	738	9.92	55.45
18.15- 18.35	106	606	7.96	45.53
17.95- 18.15	120	500	9.02	37.57
17.75- 17.95	58	380	7.36	28.55
17.55- 17.75	77	282	9.79	21.19
17.35- 17.55	71	235	5.33	15.40
17.15- 17.35	49	134	2.68	10.77
16.95- 17.15	36	85	2.70	6.79
16.75- 16.95	19	49	1.43	3.68
16.55- 16.75	18	36	1.35	2.25
16.35- 16.55	8	12	.60	.90
16.15- 16.35	3	4	.23	.30
15.95- 16.15	0	1	0.00	.08
15.75- 15.95	1	1	.06	.18

600 HAND LENGTH

RANGES	FREQ	CUMF	FRQX	CUMFX
20.35- 20.55	1	1331	.08	100.00
20.15- 20.35	2	1331	.15	99.92
19.95- 20.15	2	1324	.15	99.77
19.75- 19.95	3	1324	.23	99.62
19.55- 19.75	9	1323	.64	99.40
19.35- 19.55	17	1314	1.29	98.72
19.15- 19.35	21	1297	1.58	97.45
18.95- 19.15	29	1276	2.18	95.87
18.75- 18.95	28	1247	2.10	93.69
18.55- 18.75	37	1219	2.78	91.59
18.35- 18.55	64	1182	4.81	88.81
18.15- 18.35	70	1118	5.26	84.00
17.95- 18.15	68	1048	6.61	78.74
17.75- 17.95	54	960	7.06	72.13
17.55- 17.75	114	868	8.56	65.06
17.35- 17.55	103	752	7.74	56.50
17.15- 17.35	122	649	9.17	48.76
16.95- 17.15	119	527	5.94	38.59
16.75- 16.95	106	408	7.96	30.65
16.55- 16.75	90	302	6.76	22.69
16.35- 16.55	66	212	4.90	15.93
16.15- 16.35	64	146	4.81	10.97
15.95- 16.15	33	82	2.48	6.16
15.75- 15.95	22	49	1.65	3.68
15.55- 15.75	10	27	.75	2.03
15.35- 15.55	10	17	.75	1.28
15.15- 15.35	3	7	.23	.53
14.95- 15.15	3	4	.23	.30
14.75- 14.95	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

E2C FOOT LENGTH

E1C INSTEP LENGTH

RANGES	FREQ	CUMF	FREQ	CUMFX
21.35- 21.55	1	1331	.00	100.00
21.15- 21.35	0	1330	0.00	99.92
20.95- 21.15	1	1330	.00	99.92
20.75- 20.95	2	1329	.15	99.85
20.55- 20.75	5	1327	.38	99.70
20.35- 20.55	3	1322	.23	99.32
20.15- 20.35	8	1319	.60	99.10
19.95- 20.15	17	1311	1.28	98.50
19.75- 19.95	16	1294	.75	97.22
19.55- 19.75	14	1284	1.05	96.47
19.35- 19.55	22	1271	1.65	95.42
19.15- 19.35	40	1248	3.61	93.76
18.95- 19.15	55	1200	4.13	90.16
18.75- 18.95	43	1145	3.23	86.63
18.55- 18.75	65	1102	4.88	82.79
18.35- 18.55	96	1037	7.21	77.91
18.15- 18.35	93	941	6.99	70.70
17.95- 18.15	137	848	10.29	63.71
17.75- 17.95	70	711	5.06	53.42
17.55- 17.75	132	633	9.94	47.56
17.35- 17.55	88	531	6.61	37.64
17.15- 17.35	80	413	6.01	31.03
16.95- 17.15	100	333	7.51	25.02
16.75- 16.95	53	233	3.96	17.51
16.55- 16.75	65	180	4.88	13.52
16.35- 16.55	32	115	2.40	8.64
16.15- 16.35	37	83	2.78	6.24
15.95- 16.15	19	46	1.42	3.46
15.75- 15.95	11	27	.83	2.03
15.55- 15.75	7	16	.53	1.20
15.35- 15.55	5	9	.36	.68
15.15- 15.35	3	4	.20	.30
14.95- 15.15	1	1	.00	.00

RANGES	FREQ	CUMF	FREQ	CUMFX
29.75- 29.95	1	1331	.00	100.00
29.55- 29.75	0	1330	0.00	99.92
29.35- 29.55	0	1330	0.00	99.92
29.15- 29.35	0	1330	0.00	99.92
28.95- 29.15	0	1330	0.00	99.92
28.75- 28.95	0	1330	0.00	99.92
28.55- 28.75	0	1330	0.00	99.92
28.35- 28.55	0	1330	0.00	99.92
28.15- 28.35	1	1330	.08	99.92
27.95- 28.15	2	1329	.15	99.85
27.75- 27.95	3	1327	.23	99.70
27.55- 27.75	4	1324	.30	99.47
27.35- 27.55	5	1320	.38	99.17
27.15- 27.35	10	1315	.75	98.80
26.95- 27.15	6	1305	.45	98.05
26.75- 26.95	6	1299	.45	97.60
26.55- 26.75	16	1293	1.20	97.15
26.35- 26.55	21	1277	1.58	95.94
26.15- 26.35	24	1256	1.60	94.37
25.95- 26.15	41	1232	3.09	92.56
25.75- 25.95	41	1101	3.03	89.48
25.55- 25.75	40	1157	2.81	86.40
25.35- 25.55	51	1110	3.61	83.40
25.15- 25.35	48	1059	3.61	79.56
24.95- 25.15	77	1011	5.79	75.96
24.75- 24.95	63	934	5.11	71.17
24.55- 24.75	61	888	6.09	65.36
24.35- 24.55	61	780	6.09	58.58
24.15- 24.35	78	704	5.06	52.89
23.95- 24.15	57	626	7.29	47.03
23.75- 23.95	74	529	5.56	39.74
23.55- 23.75	61	455	6.09	34.18
23.35- 23.55	68	374	6.61	28.10
23.15- 23.35	57	286	4.23	21.49
22.95- 23.15	51	229	3.83	17.21
22.75- 22.95	48	178	3.61	13.37
22.55- 22.75	36	130	2.70	9.77
22.35- 22.55	24	94	1.80	7.06
22.15- 22.35	27	70	2.03	5.26
21.95- 22.15	12	43	.93	2.23
21.75- 21.95	12	31	.90	2.33
21.55- 21.75	7	19	.53	1.43
21.35- 21.55	5	12	.38	.90
21.15- 21.35	7	7	.23	.53
20.95- 21.15	3	4	.23	.30
20.75- 20.95	1	1	.08	.00

FREQUENCY TABLES FOR CORE MEASUREMENTS

53C HEEL-ANKLE CIRCUMFERENCE

RANGES	FREQ	CUMF	FREQ	CUMFX
35.95- 36.15	1	1331	.08	100.00
35.75- 35.95	0	1330	0.00	99.92
35.55- 35.75	0	1330	0.00	99.92
35.35- 35.55	0	1330	0.00	99.92
35.15- 35.35	2	1330	.15	99.92
34.95- 35.15	1	1328	.08	99.77
34.75- 34.95	7	1327	.53	99.70
34.55- 34.75	4	1320	.30	99.17
34.35- 34.55	0	1316	0.00	98.67
34.15- 34.35	3	1316	.23	98.67
33.95- 34.15	12	1313	.50	98.65
33.75- 33.95	5	1301	.36	97.75
33.55- 33.75	13	1296	.75	97.37
33.35- 33.55	17	1286	1.20	96.62
33.15- 33.35	13	1269	.56	95.34
32.95- 33.15	28	1256	2.10	94.37
32.75- 32.95	23	1228	1.73	92.26
32.55- 32.75	24	1225	1.80	90.53
32.35- 32.55	44	1181	3.31	88.73
32.15- 32.35	32	1137	2.40	85.42
31.95- 32.15	55	1105	4.42	83.02
31.75- 31.95	55	1046	4.12	78.59
31.55- 31.75	60	991	4.51	74.46
31.35- 31.55	52	931	3.51	69.95
31.15- 31.35	54	879	4.06	66.04
30.95- 31.15	90	825	6.76	61.98
30.75- 30.95	63	735	4.73	55.22
30.55- 30.75	71	672	5.32	50.49
30.35- 30.55	70	601	5.26	45.15
30.15- 30.35	57	531	4.28	39.89
29.95- 30.15	80	474	6.01	35.61
29.75- 29.95	72	354	5.41	29.60
29.55- 29.75	53	322	3.58	24.19
29.35- 29.55	66	269	4.96	20.21
29.15- 29.35	36	203	2.70	15.25
28.95- 29.15	40	167	3.61	12.55
28.75- 28.95	31	127	2.33	9.54
28.55- 28.75	24	96	1.81	7.21
28.35- 28.55	21	72	1.58	5.41
28.15- 28.35	14	51	1.05	3.83
27.95- 28.15	14	37	1.05	2.78
27.75- 27.95	8	23	.60	1.73
27.55- 27.75	3	15	.23	1.13
27.35- 27.55	4	12	.30	.90
27.15- 27.35	3	8	.22	.60
26.95- 27.15	4	5	.30	.38
26.75- 26.95	1	1	.08	.08

64C FOOT BREADTH

RANGES	FREQ	CUMF	FREQ	CUMFX
10.75- 10.85	1	1331	.08	100.00
10.65- 10.75	1	1330	.08	99.92
10.55- 10.65	2	1329	.15	99.85
10.45- 10.55	1	1327	.08	99.70
10.35- 10.45	4	1326	.30	99.62
10.25- 10.35	2	1322	.15	99.32
10.15- 10.25	5	1320	.38	99.17
10.05- 10.15	5	1315	.38	98.20
9.95- 10.05	6	1312	.45	98.42
9.85- 9.95	11	1314	.83	97.97
9.75- 9.85	25	1293	1.68	97.15
9.65- 9.75	26	1268	1.95	95.27
9.55- 9.65	26	1242	1.95	93.21
9.45- 9.55	47	1216	3.53	91.36
9.35- 9.45	68	1169	5.11	87.83
9.25- 9.35	77	1101	5.79	82.72
9.15- 9.25	79	1024	5.94	76.93
9.05- 9.15	55	945	6.39	71.00
8.95- 9.05	51	860	6.84	64.61
8.85- 8.95	104	769	7.81	57.78
8.75- 8.85	55	665	7.14	49.96
8.65- 8.75	59	570	7.44	42.82
8.55- 8.65	87	471	6.54	35.39
8.45- 8.55	108	304	5.11	28.85
8.35- 8.45	77	276	5.79	20.74
8.25- 8.35	60	199	4.51	14.95
8.15- 8.25	43	139	3.23	10.44
8.05- 8.15	29	96	2.18	7.21
7.95- 8.05	26	67	1.95	5.03
7.85- 7.95	14	41	1.05	3.68
7.75- 7.85	10	27	.75	2.03
7.65- 7.75	7	17	.53	1.28
7.55- 7.65	6	10	.45	.75
7.45- 7.55	4	4	.30	.30

FREQUENCY TABLES FOR CORE MEASUREMENTS

650 WHEEL BREADTH

RANGES	FRQ	CUMF	FRQX	CUMFX
7.55- 7.65	1	1331	.00	100.00
7.45- 7.55	1	1330	.00	99.92
7.35- 7.45	1	1329	.00	99.85
7.25- 7.35	1	1328	.00	99.77
7.15- 7.25	12	1327	.90	99.70
7.05- 7.15	5	1315	.38	98.80
6.95- 7.05	19	1310	1.43	98.42
6.85- 6.95	20	1291	1.50	96.99
6.75- 6.85	25	1271	1.88	95.49
6.65- 6.75	42	1246	3.16	93.61
6.55- 6.65	70	1204	5.26	90.46
6.45- 6.55	63	1134	4.73	85.20
6.35- 6.45	58	1071	4.36	80.47
6.25- 6.35	86	1013	6.46	76.11
6.15- 6.25	115	927	8.94	69.65
6.05- 6.15	152	808	11.42	60.71
5.95- 6.05	158	656	11.87	49.29
5.85- 5.95	130	498	9.77	37.42
5.75- 5.85	89	368	6.69	27.65
5.65- 5.75	92	279	6.91	20.96
5.55- 5.65	77	187	5.75	14.05
5.45- 5.55	52	110	3.91	8.26
5.35- 5.45	24	56	1.80	4.36
5.25- 5.35	19	34	1.43	2.55
5.15- 5.25	8	15	.60	1.13
5.05- 5.15	5	7	.38	.53
4.95- 5.05	2	2	.15	.15

660 FOOT CIRCUMFERENCE

RANGES	FRQ	CUMF	FRQX	CUMFX
27.15- 27.25	1	1331	.00	100.00
26.95- 27.15	0	1330	0.00	99.92
26.75- 26.95	0	1330	0.00	99.92
26.55- 26.75	0	1330	0.00	99.92
26.35- 26.55	1	1330	.00	99.92
26.15- 26.35	3	1329	.23	99.85
25.95- 26.15	1	1326	.08	99.82
25.75- 25.95	4	1325	.30	99.55
25.55- 25.75	5	1321	.38	99.25
25.35- 25.55	5	1316	.38	98.87
25.15- 25.35	1	1311	.08	98.50
24.95- 25.15	13	1310	.98	98.42
24.75- 24.95	13	1297	.98	97.45
24.55- 24.75	10	1284	.75	96.47
24.35- 24.55	26	1274	1.95	95.72
24.15- 24.35	34	1248	2.55	93.76
23.95- 24.15	42	1214	3.16	91.21
23.75- 23.95	54	1172	4.06	88.05
23.55- 23.75	54	1118	4.06	84.00
23.35- 23.55	80	1064	6.01	79.94
23.15- 23.35	66	984	4.96	73.93
22.95- 23.15	89	918	6.69	68.67
22.75- 22.95	74	829	5.56	62.23
22.55- 22.75	96	755	7.21	56.72
22.35- 22.55	106	659	7.96	49.51
22.15- 22.35	80	593	6.01	41.55
21.95- 22.15	99	473	7.44	35.54
21.75- 21.95	74	374	5.56	28.10
21.55- 21.75	56	300	4.21	22.54
21.35- 21.55	50	244	4.21	18.33
21.15- 21.35	54	188	4.06	14.12
20.95- 21.15	46	134	3.46	10.07
20.75- 20.95	23	88	1.73	6.01
20.55- 20.75	22	65	1.65	4.88
20.35- 20.55	20	43	1.50	3.23
20.15- 20.35	8	23	.60	1.73
19.95- 20.15	7	15	.53	1.13
19.75- 19.95	4	F	.30	.60
19.55- 19.75	3	4	.23	.30
19.35- 19.55	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

57C INSTEP CIRCUMFERENCE

RANGES	FREQ	CUMF	FRC%	CUMF%
27.05- 27.75	2	1331	.15	100.00
27.35- 27.55	1	1329	.08	99.85
27.15- 27.35	2	1328	.15	99.77
26.95- 27.15	5	1326	.38	99.62
26.75- 26.95	4	1321	.30	99.25
26.55- 26.75	2	1317	.15	98.95
26.35- 26.55	8	1315	.60	98.80
26.15- 26.35	10	1317	.75	98.20
25.95- 26.15	13	1297	.98	97.45
25.75- 25.95	12	1284	.90	96.47
25.55- 25.75	13	1272	.96	95.57
25.35- 25.55	26	1259	1.95	94.59
25.15- 25.35	26	1233	1.95	92.64
24.95- 25.15	40	1207	3.21	90.69
24.75- 24.95	51	1167	4.83	87.68
24.55- 24.75	51	1116	3.83	83.85
24.35- 24.55	59	1065	4.43	80.02
24.15- 24.35	48	1006	3.61	75.58
23.95- 24.15	82	958	6.16	71.98
23.75- 23.95	77	876	5.70	65.02
23.55- 23.75	72	799	5.41	60.03
23.35- 23.55	90	727	6.78	54.62
23.15- 23.35	83	637	6.24	47.86
22.95- 23.15	96	554	7.21	41.62
22.75- 22.95	78	458	5.86	34.41
22.55- 22.75	64	380	4.81	28.55
22.35- 22.55	56	316	4.21	23.74
22.15- 22.35	55	260	4.13	19.53
21.95- 22.15	60	205	4.51	15.49
21.75- 21.95	44	145	3.31	10.89
21.55- 21.75	34	111	2.55	7.59
21.35- 21.55	23	67	1.73	5.03
21.15- 21.35	12	44	.90	3.71
20.95- 21.15	11	32	.83	2.40
20.75- 20.95	12	21	.90	1.58
20.55- 20.75	5	9	.36	.68
20.35- 20.55	0	4	0.00	.30
20.15- 20.35	0	4	0.00	.30
19.95- 20.15	4	4	.30	.30

68C ANKLE HEIGHT

RANGES	FREQ	CUMF	FRC%	CUMF%
14.75- 14.95	1	1331	.05	100.00
14.55- 14.75	0	1331	0.00	99.92
14.35- 14.55	1	1330	.08	99.52
14.15- 14.35	4	1329	.30	99.85
13.95- 14.15	5	1325	.38	99.55
13.75- 13.95	2	1320	.15	99.17
13.55- 13.75	1	1318	.08	99.02
13.35- 13.55	1	1317	.03	98.95
13.15- 13.35	9	1316	.68	98.87
12.95- 13.15	16	1317	1.29	98.20
12.75- 12.95	9	1291	.63	96.99
12.55- 12.75	18	1282	1.35	96.32
12.35- 12.55	22	1264	2.10	94.97
12.15- 12.35	24	1236	1.80	92.86
11.95- 12.15	53	1212	3.99	91.06
11.75- 11.95	65	1159	4.83	87.08
11.55- 11.75	73	1094	5.49	82.19
11.35- 11.55	52	1021	6.91	76.71
11.15- 11.35	107	929	8.04	69.80
10.95- 11.15	54	822	6.31	61.76
10.75- 10.95	117	738	3.73	55.45
10.55- 10.75	94	621	7.06	46.66
10.35- 10.55	114	527	8.56	39.29
10.15- 10.35	77	417	5.79	31.03
9.95- 10.15	89	336	6.69	25.24
9.75- 9.95	70	247	5.26	18.50
9.55- 9.75	55	177	4.13	13.30
9.35- 9.55	35	122	2.63	9.17
9.15- 9.35	35	87	2.63	6.54
8.95- 9.15	18	52	1.35	3.91
8.75- 8.95	17	34	1.24	2.55
8.55- 8.75	12	17	.90	1.28
8.35- 8.55	2	5	.15	.38
8.15- 8.35	2	3	.15	.23
7.95- 8.15	1	1	.08	.08

FREQUENCY TABLES FOR CORE MEASUREMENTS

690 SFMYRICK HEIGHT

RANGES	FRC	CLPF	FPC%	CUMF%
8.35- 8.45	1	1331	.08	117.00
8.25- 8.35	1	1330	.08	99.92
8.15- 8.25	0	1329	0.00	99.85
8.05- 8.15	1	1329	.08	99.85
7.95- 8.05	2	1323	.15	99.77
7.85- 7.95	2	1326	.15	99.62
7.75- 7.85	6	1324	.45	99.47
7.65- 7.75	6	1316	.45	99.02
7.55- 7.65	7	1312	.53	98.57
7.45- 7.55	20	1305	1.50	98.05
7.35- 7.45	17	1205	1.26	96.54
7.25- 7.35	28	1260	2.11	95.27
7.15- 7.25	26	1244	1.95	93.16
7.05- 7.15	55	1214	4.13	91.21
6.95- 7.05	64	1159	6.31	87.56
6.85- 6.95	56	1075	4.21	80.77
6.75- 6.85	103	1019	7.74	76.56
6.65- 6.75	86	916	6.46	68.82
6.55- 6.65	80	830	6.01	62.36
6.45- 6.55	114	751	8.58	56.25
6.35- 6.45	70	636	5.71	47.78
6.25- 6.35	95	540	7.14	42.57
6.15- 6.25	81	465	6.09	34.94
6.05- 6.15	83	384	6.24	28.85
5.95- 6.05	102	311	7.66	22.61
5.85- 5.95	35	159	2.63	14.95
5.75- 5.85	42	164	3.16	12.32
5.65- 5.75	25	122	1.88	9.17
5.55- 5.65	22	97	1.65	7.29
5.45- 5.55	31	75	2.33	5.63
5.35- 5.45	10	44	.75	3.31
5.25- 5.35	15	34	1.13	2.55
5.15- 5.25	9	19	.60	1.43
5.05- 5.15	4	10	.30	.75
4.95- 5.05	3	6	.23	.45
4.85- 4.95	1	3	.08	.23
4.75- 4.85	0	2	0.00	.15
4.65- 4.75	1	2	.08	.15
4.55- 4.65	1	1	.08	.08

A-2. FREQUENCY TABLES FOR TRADITIONAL SUBSERIES

11 CERVICALE HEIGHT

RANGES	FREQ	CUMF	FPOX	CUMFX
161.75-162.75	1	255	.39	100.00
160.75-161.75	0	254	0.00	99.61
159.75-160.75	0	254	0.00	99.61
158.75-159.75	0	254	0.00	99.61
157.75-158.75	1	254	.39	99.61
156.75-157.75	1	253	.39	99.22
155.75-156.75	0	252	0.00	98.82
154.75-155.75	0	252	0.00	98.82
153.75-154.75	1	252	.39	98.82
152.75-153.75	2	251	.76	98.43
151.75-152.75	0	249	0.00	97.65
150.75-151.75	5	249	1.96	97.65
149.75-150.75	2	244	.76	95.69
148.75-149.75	6	242	2.35	94.90
147.75-148.75	2	236	.76	92.55
146.75-147.75	10	234	3.92	91.76
145.75-146.75	10	224	3.92	87.84
144.75-145.75	15	214	5.88	83.92
143.75-144.75	18	199	7.06	76.04
142.75-143.75	14	181	5.49	70.98
141.75-142.75	16	167	6.27	65.49
140.75-141.75	17	151	6.67	59.22
139.75-140.75	13	134	5.10	52.55
138.75-139.75	19	121	7.45	47.45
137.75-138.75	21	102	8.24	40.00
136.75-137.75	16	81	6.27	31.76
135.75-136.75	11	65	4.31	25.49
134.75-135.75	7	54	2.75	21.18
133.75-134.75	13	47	5.10	18.43
132.75-133.75	5	34	1.96	13.33
131.75-132.75	7	29	2.75	11.37
130.75-131.75	4	22	1.57	8.63
129.75-130.75	8	18	3.14	7.06
128.75-129.75	2	10	.76	3.92
127.75-128.75	3	8	1.16	3.14
126.75-127.75	3	5	1.16	1.96
125.75-126.75	2	2	.76	.76

21 SUPRASTERNALE HEIGHT

RANGES	FREQ	CUMF	FPOX	CUMFX
151.75-152.75	1	255	.39	100.00
150.75-151.75	0	254	0.00	99.61
149.75-150.75	0	254	0.00	99.61
148.75-149.75	0	254	0.00	99.61
147.75-148.75	1	254	.39	99.61
146.75-147.75	1	253	.39	99.22
145.75-146.75	1	252	.39	98.82
144.75-145.75	0	251	0.00	98.43
143.75-144.75	5	251	1.96	98.43
142.75-143.75	2	246	.76	96.47
141.75-142.75	3	244	1.18	95.69
140.75-141.75	2	241	.76	94.51
139.75-140.75	5	239	1.96	93.73
138.75-139.75	12	234	4.71	91.76
137.75-138.75	13	222	5.17	87.84
136.75-137.75	10	209	3.92	81.96
135.75-136.75	12	199	4.71	76.04
134.75-135.75	23	167	9.62	72.33
133.75-134.75	21	164	8.24	64.51
132.75-133.75	10	143	3.92	56.47
131.75-132.75	25	133	9.50	52.16
130.75-131.75	13	108	5.10	42.35
129.75-130.75	17	95	6.67	37.25
128.75-129.75	17	78	6.67	30.59
127.75-128.75	12	61	4.71	23.92
126.75-127.75	2	49	3.14	19.22
125.75-126.75	11	41	4.31	16.08
124.75-125.75	6	34	2.35	11.76
123.75-124.75	0	24	2.35	9.41
122.75-123.75	9	28	3.53	7.06
121.75-122.75	5	9	1.96	3.53
120.75-121.75	1	4	.39	1.57
119.75-120.75	2	7	.76	1.18
118.75-119.75	1	1	.39	.39

FREQUENCY TABLES FOR TRADITIONAL SUBSERIES

2T SUBSTERNAL HEIGHT

RANGES	FAC	CUMF	FREQ	CUMFX
129.75-130.75	1	255	.39	129.00
128.75-129.75	1	254	0.00	99.61
127.75-128.75	1	254	.39	99.61
126.75-127.75	1	253	.39	99.22
125.75-126.75	1	252	0.00	98.82
124.75-125.75	1	252	.39	98.82
123.75-124.75	3	251	1.18	98.43
122.75-123.75	3	248	1.57	97.25
121.75-122.75	3	243	1.18	95.29
120.75-121.75	5	240	1.98	94.12
119.75-120.75	10	235	3.92	92.16
118.75-119.75	13	225	5.11	88.24
117.75-118.75	11	212	4.31	84.14
116.75-117.75	13	211	5.10	78.72
115.75-116.75	22	199	8.03	73.73
114.75-115.75	25	166	9.80	65.19
113.75-114.75	17	141	6.67	55.79
112.75-113.75	20	124	7.84	46.63
111.75-112.75	16	114	7.06	40.76
110.75-111.75	21	69	7.84	33.73
109.75-110.75	17	66	6.67	25.86
108.75-109.75	9	46	3.57	19.22
107.75-108.75	13	40	5.11	15.69
106.75-107.75	5	27	1.98	10.59
105.75-106.75	9	22	3.57	8.83
104.75-105.75	7	13	2.75	5.23
103.75-104.75	3	6	1.18	2.35
102.75-103.75	1	3	.39	1.18
101.75-102.75	1	2	.39	.79
100.75-101.75	1	1	.39	.39

4T ELBOW (RADIAL) HEIGHT

RANGES	FAC	CUMF	FREQ	CUMFX
118.75-119.75	1	253	.39	118.00
117.75-118.75	0	254	0.00	99.61
116.75-117.75	0	254	0.00	99.61
115.75-116.75	1	254	.39	99.61
114.75-115.75	0	253	0.00	99.22
113.75-114.75	1	253	.39	99.22
112.75-113.75	2	252	.78	98.82
111.75-112.75	3	251	1.18	98.43
110.75-111.75	4	247	1.57	96.86
109.75-110.75	4	243	1.57	95.29
108.75-109.75	5	234	3.55	93.73
107.75-108.75	8	231	3.14	90.20
106.75-107.75	15	222	5.99	87.16
105.75-106.75	12	217	7.06	83.18
104.75-105.75	22	169	3.02	74.12
103.75-104.75	15	156	6.64	65.17
102.75-103.75	23	131	9.02	56.22
101.75-102.75	19	129	7.45	50.29
100.75-101.75	11	109	4.31	42.75
99.75-100.75	10	94	7.06	35.73
98.75-99.75	16	87	8.27	31.27
97.75-98.75	16	67	7.45	25.10
96.75-97.75	16	67	6.64	17.65
95.75-96.75	11	70	4.31	11.76
94.75-95.75	11	19	4.31	7.45
93.75-94.75	3	6	1.18	3.16
92.75-93.75	2	5	.78	1.96
91.75-92.75	2	7	.78	1.18
90.75-91.75	1	1	3.05	.79
89.75-90.75	1	1	.39	.39

FREQUENCY TABLES FOR TRADITIONAL SUBSERIES

5T KNUCKLE HEIGHT

RANGES	FREQ	CUMF	FREQ	CUMFX
83.25-83.75	1	255	.39	200.00
82.75-83.25	0	254	0.00	99.61
82.25-82.75	0	254	0.00	99.61
81.75-82.25	0	254	0.00	99.61
81.25-81.75	0	254	0.00	99.61
80.75-81.25	1	254	.39	99.61
80.25-80.75	3	253	0.00	99.22
79.75-80.25	0	253	0.00	99.22
79.25-79.75	2	253	.78	99.22
78.75-79.25	2	251	.78	98.43
78.25-78.75	1	249	.39	97.65
77.75-78.25	1	248	.39	97.25
77.25-77.75	4	247	1.57	96.86
76.75-77.25	3	243	1.16	95.29
76.25-76.75	8	240	3.14	94.12
75.75-76.25	4	232	1.57	90.98
75.25-75.75	6	228	3.14	85.41
74.75-75.25	14	220	5.45	86.27
74.25-74.75	12	206	4.71	80.78
73.75-74.25	5	194	1.57	76.08
73.25-73.75	8	185	2.14	72.55
72.75-73.25	7	177	2.75	69.41
72.25-72.75	7	170	2.75	66.67
71.75-72.25	10	163	7.06	63.92
71.25-71.75	13	145	5.45	56.86
70.75-71.25	12	132	4.71	51.76
70.25-70.75	11	120	4.31	47.06
69.75-70.25	11	109	4.31	42.75
69.25-69.75	8	98	2.35	38.43
68.75-69.25	10	92	7.92	36.08
68.25-68.75	16	82	6.27	32.16
67.75-68.25	8	65	3.14	25.88
67.25-67.75	9	58	3.57	22.75
66.75-67.25	11	49	4.31	19.22
66.25-66.75	10	38	3.92	14.90
65.75-66.25	8	28	2.35	10.98
65.25-65.75	6	22	2.35	8.63
64.75-65.25	4	16	1.57	5.87
64.25-64.75	3	12	1.16	4.71
63.75-64.25	2	7	.78	3.53
63.25-63.75	2	7	.78	2.75
62.75-63.25	2	5	.78	1.96
62.25-62.75	6	3	0.39	1.13
61.75-62.25	0	3	0.00	1.13
61.25-61.75	1	3	.39	1.13
60.75-61.25	1	2	.39	.78
60.25-60.75	0	1	0.00	.39
59.75-60.25	0	1	0.00	.39
59.25-59.75	0	1	0.00	.39
58.75-59.25	1	1	.39	.39

6T HIF (TROCHANTERIC) HEIGHT

RANGES	FREQ	CUMF	FREQ	CUMFX
101.75-102.75	1	255	.39	100.00
100.75-101.75	0	254	0.00	99.61
99.75-100.75	0	254	0.00	99.61
98.75-99.75	0	254	0.00	99.61
97.75-98.75	0	254	0.00	99.61
96.75-97.75	2	254	.78	99.61
95.75-96.75	1	252	.39	98.22
94.75-95.75	1	251	.39	98.43
93.75-94.75	3	250	1.16	96.04
92.75-93.75	7	247	2.75	96.86
91.75-92.75	11	240	4.31	94.12
90.75-91.75	13	229	5.10	85.20
89.75-90.75	16	216	3.92	84.71
88.75-89.75	20	206	7.06	80.78
87.75-88.75	15	189	5.88	72.94
86.75-87.75	23	173	9.02	67.06
85.75-86.75	21	168	8.24	58.14
84.75-85.75	19	127	7.45	45.80
83.75-84.75	22	108	8.63	42.35
82.75-83.75	24	86	9.41	33.73
81.75-82.75	18	62	7.06	24.31
80.75-81.75	12	44	4.31	17.25
79.75-80.75	10	32	3.57	12.55
78.75-79.75	8	22	3.14	8.63
77.75-78.75	7	14	3.53	5.49
76.75-77.75	3	5	1.16	1.56
75.75-76.75	2	2	.78	.78

FREQUENCY TABLES FOR TRADITIONAL SUCCESSES

BT TITIAL HEIGHT

RANGES	FREQ	CUMF	FROX	CUMFX
51.55- 51.65	1	255	.39	163.10
51.25- 51.55	0	254	1.00	99.61
50.95- 51.25	0	254	1.00	99.61
50.65- 50.95	2	254	.79	99.61
50.35- 50.65	1	252	0.00	98.62
50.05- 50.35	0	252	0.00	98.62
49.75- 50.05	0	252	1.00	98.62
49.45- 49.75	1	252	.39	98.62
49.15- 49.45	4	251	1.57	98.63
48.85- 49.15	1	247	1.00	96.66
48.55- 48.85	1	247	.39	96.66
48.25- 48.55	0	247	0.00	96.67
47.95- 48.25	7	246	1.13	96.67
47.65- 47.95	6	243	2.35	95.29
47.35- 47.65	5	237	1.90	92.66
47.05- 47.35	7	232	2.75	90.66
46.75- 47.05	5	225	1.96	88.24
46.45- 46.75	3	222	3.14	86.27
46.15- 46.45	2	212	2.35	83.17
45.85- 46.15	1	211	3.02	80.79
45.55- 45.85	12	196	5.13	76.66
45.25- 45.55	9	187	3.14	71.76
44.95- 45.25	8	175	3.14	66.63
44.65- 44.95	8	167	3.14	61.49
44.35- 44.65	14	159	5.64	62.65
44.05- 44.35	15	145	7.45	56.66
43.75- 44.05	2	126	4.71	42.61
43.45- 43.75	9	114	3.53	44.71
43.15- 43.45	11	103	4.31	41.18
42.85- 43.15	0	94	3.14	38.26
42.55- 42.85	13	91	5.10	33.73
42.25- 42.55	14	78	5.69	23.63
41.95- 42.25	4	59	1.57	23.14
41.65- 41.95	8	55	3.14	21.57
41.35- 41.65	12	48	5.17	18.47
41.05- 41.35	7	34	2.75	13.33
40.75- 41.05	5	27	1.96	10.59
40.45- 40.75	8	22	2.35	9.63
40.15- 40.45	5	16	1.96	6.27
39.85- 40.15	2	11	.74	4.11
39.55- 39.85	1	9	0.00	3.53
39.25- 39.55	2	6	1.18	3.53
38.95- 39.25	1	6	.39	2.35
38.65- 38.95	2	5	.73	1.57
38.35- 38.65	2	4	.73	1.18
38.05- 38.35	0	1	1.00	.39
37.75- 38.05	0	1	1.00	.29
37.45- 37.75	1	1	1.00	.39
37.15- 37.45	1	1	1.00	.39
36.85- 37.15	1	1	.39	.29

TT GLLTAL FLK-CH HEIGHT

RANGES	FREQ	CUMF	FROX	CUMFX
87.75- 88.75	1	255	.39	163.10
86.75- 87.75	0	254	1.00	99.61
85.75- 86.75	1	254	.39	99.61
84.75- 85.75	1	257	.39	99.22
83.75- 84.75	1	252	.39	98.62
82.75- 83.75	1	251	1.00	98.63
81.75- 82.75	4	251	1.57	98.63
80.75- 81.75	5	247	1.96	96.66
79.75- 80.75	11	242	4.31	94.96
78.75- 79.75	11	231	4.31	90.69
77.75- 78.75	11	220	5.88	86.27
76.75- 77.75	17	205	6.67	80.39
75.75- 76.75	11	188	4.31	73.73
74.75- 75.75	25	177	9.80	62.61
73.75- 74.75	22	152	8.63	59.61
72.75- 73.75	34	130	12.32	50.98
71.75- 72.75	23	96	3.02	37.65
70.75- 71.75	27	73	10.55	28.63
69.75- 70.75	12	46	5.10	18.34
68.75- 69.75	9	33	2.53	12.94
67.75- 68.75	14	24	5.45	9.41
66.75- 67.75	5	10	1.96	3.92
65.75- 66.75	2	5	.74	1.96
64.75- 65.75	1	3	.39	1.18
63.75- 64.75	1	2	.39	.78
62.75- 63.75	0	1	0.00	.39
61.75- 62.75	1	1	.39	.39

FREQUENCY TABLES FOR (RADIAL) SUBSERIES

10Y RADIAL-STYLE LENGTH

ST ACREION-RADIAL LENGTH

RANGES	FREQ	CUMF	FREQ	CUMFX
37.15- 37.45	1	255	.39	100.00
36.85- 37.15	0	254	0.00	99.61
36.55- 36.85	0	254	0.00	99.61
36.25- 36.55	1	254	.39	99.61
35.95- 36.25	0	253	0.00	99.22
35.65- 35.95	0	253	0.00	99.22
35.35- 35.65	1	253	.39	99.22
35.05- 35.35	0	252	0.00	98.82
34.75- 35.05	1	252	.39	98.82
34.45- 34.75	1	251	.39	98.43
34.15- 34.45	0	250	0.00	98.04
33.85- 34.15	0	250	0.00	98.04
33.55- 33.85	5	250	1.95	98.04
33.25- 33.55	7	245	2.75	96.08
32.95- 33.25	0	238	3.14	93.33
32.65- 32.95	12	230	4.71	90.20
32.35- 32.65	12	118	4.71	85.49
32.05- 32.35	9	206	3.53	80.78
31.75- 32.05	17	157	6.67	77.25
31.45- 31.75	14	180	5.49	70.59
31.15- 31.45	16	166	7.27	65.16
30.85- 31.15	19	153	7.45	59.82
30.55- 30.85	23	131	9.12	51.37
30.25- 30.55	16	123	7.66	42.38
29.95- 30.25	14	92	5.49	35.29
29.65- 29.95	12	76	4.71	29.60
29.35- 29.65	17	64	6.67	25.10
29.05- 29.35	11	47	4.31	18.43
28.75- 29.05	10	36	3.62	14.12
28.45- 28.75	8	26	3.14	10.23
28.15- 28.45	4	18	1.57	7.06
27.85- 28.15	6	14	2.35	5.49
27.55- 27.85	4	8	1.57	3.14
27.25- 27.55	1	4	.39	1.57
26.95- 27.25	1	3	.39	1.18
26.65- 26.95	0	2	0.00	.78
26.35- 26.65	2	7	.78	.78

RANGES	FREQ	CUMF	FREQ	CUMFX
29.75- 29.95	1	255	.39	100.00
29.55- 29.75	0	254	0.00	99.61
29.35- 29.55	0	254	0.00	99.61
29.15- 29.35	0	254	0.00	99.61
28.95- 29.15	0	254	0.00	99.61
28.75- 28.95	0	254	0.00	99.61
28.55- 28.75	0	254	0.00	99.61
28.35- 28.55	0	254	0.00	99.61
28.15- 28.35	1	254	.39	99.61
27.95- 28.15	0	253	0.00	99.22
27.75- 27.95	1	253	.39	99.22
27.55- 27.75	4	252	1.57	98.82
27.35- 27.55	0	248	0.00	97.25
27.15- 27.35	3	248	1.13	97.25
26.95- 27.15	3	245	1.18	96.08
26.75- 26.95	0	242	0.00	94.60
26.55- 26.75	4	242	1.57	94.60
26.35- 26.55	10	235	3.62	93.33
26.15- 26.35	7	228	2.75	89.41
25.95- 26.15	3	221	1.18	86.67
25.75- 25.95	10	218	3.92	85.49
25.55- 25.75	11	208	4.31	81.57
25.35- 25.55	8	197	3.14	77.25
25.15- 25.35	6	189	2.35	74.12
24.95- 25.15	13	183	5.10	71.76
24.75- 24.95	10	170	3.92	68.67
24.55- 24.75	11	160	4.31	62.75
24.35- 24.55	14	149	5.49	58.43
24.15- 24.35	8	135	3.14	52.54
23.95- 24.15	18	127	7.06	49.60
23.75- 23.95	12	109	7.06	42.75
23.55- 23.75	12	91	5.71	35.69
23.35- 23.55	16	79	6.27	30.68
23.15- 23.35	12	63	4.71	26.10
22.95- 23.15	9	51	3.53	20.60
22.75- 22.95	11	42	4.31	16.47
22.55- 22.75	9	31	3.53	12.16
22.35- 22.55	6	27	2.35	8.63
22.15- 22.35	1	16	.39	6.27
21.95- 22.15	5	15	1.96	5.68
21.75- 21.95	3	10	1.18	3.52
21.55- 21.75	2	7	.78	2.75
21.35- 21.55	2	4	.78	1.96
21.15- 21.35	2	3	.70	1.18
20.95- 21.15	1	1	.39	.78

FREQUENCY TABLES FOR TRADITIONAL SUBSERIES

11T ELBOW GRIP LENGTH

RANGES	FREQ	CUMF	FREQ	CUMFX
37.45- 37.75	2	255	.78	100.00
37.15- 37.45	0	253	0.00	99.22
36.85- 37.15	0	253	0.00	99.22
36.55- 36.85	2	253	.78	99.22
36.25- 36.55	1	251	.39	98.43
35.95- 36.25	4	250	1.57	98.04
35.65- 35.95	2	246	.78	98.47
35.35- 35.65	4	244	1.57	98.69
35.05- 35.35	2	240	.78	94.12
34.75- 35.05	5	238	1.96	93.33
34.45- 34.75	9	233	3.53	91.37
34.15- 34.45	7	224	2.75	87.84
33.85- 34.15	7	217	2.75	85.10
33.55- 33.85	7	210	2.75	82.35
33.25- 33.55	16	203	6.27	79.61
32.95- 33.25	13	187	5.10	73.33
32.65- 32.95	15	174	5.88	68.24
32.35- 32.65	19	159	7.41	62.35
32.05- 32.35	14	140	5.49	54.90
31.75- 32.05	23	126	9.02	49.41
31.45- 31.75	15	103	5.88	40.39
31.15- 31.45	16	88	6.27	34.51
30.85- 31.15	21	72	8.24	28.24
30.55- 30.85	15	51	5.88	24.00
30.25- 30.55	7	36	2.73	14.12
29.95- 30.25	8	29	3.14	11.37
29.65- 29.95	7	21	2.75	8.24
29.35- 29.65	5	14	1.96	5.49
29.05- 29.35	2	9	.78	1.53
28.75- 29.05	2	7	.78	2.75
28.45- 28.75	3	5	1.18	1.96
28.15- 28.45	1	2	.78	.78
27.85- 28.15	5	1	0.39	.39
27.55- 27.85	1	1	.39	.39

12T ELBOW REST HEIGHT

RANGES	FREQ	CUMF	FREQ	CUMFX
27.75- 28.25	1	255	.39	100.00
27.25- 27.75	1	254	.39	99.61
26.75- 27.25	1	253	.39	99.22
26.25- 26.75	2	252	.78	98.82
25.75- 26.25	1	250	.39	98.04
25.25- 25.75	5	249	1.96	97.65
24.75- 25.25	4	244	1.57	95.69
24.25- 24.75	6	240	3.14	94.12
23.75- 24.25	13	232	5.10	90.98
23.25- 23.75	0	219	3.14	85.88
22.75- 23.25	16	211	6.27	82.75
22.25- 22.75	15	195	5.88	76.47
21.75- 22.25	13	180	5.10	70.59
21.25- 21.75	26	167	10.20	65.49
20.75- 21.25	17	141	6.67	55.29
20.25- 20.75	15	124	5.88	48.63
19.75- 20.25	25	109	9.80	42.75
19.25- 19.75	12	84	4.71	32.54
18.75- 19.25	17	72	6.67	24.24
18.25- 18.75	10	55	3.92	21.57
17.75- 18.25	6	45	2.35	17.45
17.25- 17.75	9	30	3.53	15.29
16.75- 17.25	3	30	1.18	11.76
16.25- 16.75	16	27	1.92	10.59
15.75- 16.25	11	17	4.31	6.57
15.25- 15.75	1	6	.39	2.35
14.75- 15.25	2	5	.78	1.96
14.25- 14.75	1	3	.39	1.18
13.75- 14.25	1	2	.39	.78
13.25- 13.75	0	1	2.00	.39
12.75- 13.25	0	1	0.65	.39
12.25- 12.75	0	1	0.65	.39
11.75- 12.25	4	1	3.83	.33
11.25- 11.75	4	1	3.83	.39
10.75- 11.25	1	1	.39	.39

FREQUENCY TABLES FOR TRADITIONAL SUBSERIES

14T AEDOPINAL EXTNS'N DPTH/SIT

13T THIGH CLEARANCE

RANGES	FRC	CUMF	FRCX	CUMFX
19.75- 19.55	1	255	.39	100.00
19.55- 19.75	1	254	.39	99.61
19.35- 19.55	0	253	0.00	99.22
19.15- 19.35	0	253	0.00	99.22
18.95- 19.15	1	253	.39	99.22
18.75- 18.95	0	252	0.00	98.82
18.55- 18.75	0	252	0.00	98.82
18.35- 18.55	1	252	.39	98.82
18.15- 18.35	1	251	.39	98.43
17.95- 18.15	2	250	.78	98.04
17.75- 17.95	3	248	1.16	97.25
17.55- 17.75	1	245	.39	96.08
17.35- 17.55	6	244	2.35	95.69
17.15- 17.35	6	238	2.35	93.33
16.95- 17.15	6	232	2.35	90.98
16.75- 16.95	5	226	1.96	88.63
16.55- 16.75	12	221	4.71	86.67
16.35- 16.55	7	219	2.75	81.96
16.15- 16.35	17	202	6.67	79.22
15.95- 16.15	15	185	5.88	72.55
15.75- 15.95	16	170	6.27	66.67
15.55- 15.75	15	154	5.88	60.39
15.35- 15.55	23	139	9.02	54.51
15.15- 15.35	12	116	4.71	45.49
14.95- 15.15	19	154	7.46	40.78
14.75- 14.95	11	85	4.31	33.33
14.55- 14.75	3	74	3.14	29.02
14.35- 14.55	12	66	4.71	25.88
14.15- 14.35	9	54	3.53	21.18
13.95- 14.15	6	45	2.35	17.65
13.75- 13.95	9	39	3.53	15.29
13.55- 13.75	9	30	3.53	11.75
13.35- 13.55	8	21	3.14	8.24
13.15- 13.35	3	13	1.16	3.10
12.95- 13.15	3	10	1.16	3.92
12.75- 12.95	3	7	1.16	2.75
12.55- 12.75	0	4	0.00	1.57
12.35- 12.55	2	4	.78	1.57
12.15- 12.35	2	2	.78	.78

RANGES	FRC	CUMF	FRCX	CUMFX
21.45- 31.75	1	255	.39	100.00
21.15- 31.45	1	254	.39	99.61
20.85- 31.15	0	253	0.00	99.22
20.55- 30.85	2	253	.78	99.22
20.25- 30.55	1	251	.39	98.43
20.95- 30.25	0	250	0.00	98.04
20.65- 29.95	1	250	.39	98.04
20.35- 29.65	0	249	0.00	97.65
20.05- 29.35	0	249	0.00	97.65
19.75- 29.05	0	249	0.00	97.65
19.45- 28.75	0	249	0.00	97.65
19.15- 28.45	2	249	.78	97.65
18.85- 28.15	0	247	0.00	96.86
18.55- 27.85	1	247	.39	96.86
18.25- 27.55	1	246	.39	96.47
17.95- 27.25	0	245	0.00	96.08
17.65- 26.95	3	245	1.16	96.08
17.35- 26.65	2	242	.78	94.50
17.05- 26.35	2	240	.78	94.12
16.75- 26.05	3	238	1.16	93.33
16.45- 25.75	4	235	1.57	92.16
16.15- 25.45	2	231	.78	90.50
15.85- 25.15	2	229	.78	89.60
15.55- 24.85	2	227	.78	88.62
15.25- 24.55	9	225	3.53	88.24
14.95- 24.25	7	216	2.75	84.71
14.65- 23.95	9	209	3.53	81.96
14.35- 23.65	4	203	1.57	78.43
14.05- 23.35	9	196	3.53	76.66
13.75- 23.05	11	187	4.31	73.33
13.45- 22.75	13	176	5.10	69.02
13.15- 22.45	8	153	3.14	63.52
12.85- 22.15	14	155	5.49	60.78
12.55- 21.85	10	141	6.27	55.29
12.25- 21.55	16	125	8.27	49.02
11.95- 21.25	9	109	3.53	42.75
11.65- 20.95	7	100	2.75	39.22
11.35- 20.65	14	93	5.49	36.47
11.05- 20.35	13	79	5.10	30.98
10.75- 20.05	13	66	3.53	25.88
10.45- 19.75	10	47	3.92	13.43
10.15- 19.45	9	37	2.53	14.51
9.85- 19.15	6	28	2.35	10.58
9.55- 18.85	6	22	2.35	6.63
9.25- 18.55	6	16	1.57	6.27
8.95- 18.25	4	10	1.37	3.92
8.65- 17.95	4	6	1.57	2.35
8.35- 17.65	2	2	.78	.78

FREQUENCY TABLES FOR TRADITIONAL SUBSERIES

1ST BICROMIAL BREADTH

1ST BISFINCUS BREADTH

RANGES	FRC	CLPF	FRCZ	CUMFX
29.95- 30.25	1	255	.35	100.00
29.65- 29.95	0	254	0.00	99.61
29.35- 29.65	1	254	.39	99.61
29.05- 29.35	3	253	1.18	99.22
28.75- 29.05	2	250	.78	98.04
28.45- 28.75	2	240	.78	97.25
28.15- 28.45	2	246	.78	96.47
27.85- 28.15	1	244	.39	95.69
27.55- 27.85	1	243	.39	95.29
27.25- 27.55	1	242	.39	94.90
26.95- 27.25	3	241	1.18	94.51
26.65- 26.95	2	238	.78	94.33
26.35- 26.65	2	236	.78	92.55
26.05- 26.35	4	234	1.57	91.75
25.75- 26.05	2	230	.78	90.20
25.45- 25.75	7	228	2.75	89.41
25.15- 25.45	9	221	3.53	86.67
24.85- 25.15	7	212	2.75	83.14
24.55- 24.85	5	205	1.96	80.39
24.25- 24.55	21	200	8.24	78.43
23.95- 24.25	9	179	3.53	70.20
23.65- 23.95	20	170	7.84	66.67
23.35- 23.65	16	150	6.27	58.82
23.05- 23.35	11	134	4.31	52.55
22.75- 23.05	12	123	4.71	48.24
22.45- 22.75	15	111	5.88	43.53
22.15- 22.45	16	96	6.27	37.65
21.85- 22.15	12	80	4.71	31.37
21.55- 21.85	10	68	2.92	26.67
21.25- 21.55	15	58	5.88	22.75
20.95- 21.25	15	43	5.88	16.86
20.65- 20.95	5	28	1.96	10.98
20.35- 20.65	5	23	1.96	9.02
20.05- 20.35	6	18	2.35	7.06
19.75- 20.05	4	12	1.57	4.71
19.45- 19.75	1	8	.39	3.14
19.15- 19.45	1	7	.39	2.75
18.85- 19.15	2	6	.78	2.35
18.55- 18.85	1	4	.39	1.57
18.25- 18.55	1	3	.39	1.18
17.95- 18.25	0	2	0.00	.78
17.65- 17.95	2	2	.78	.78

RANGES	FRC	CUMF	FRCZ	CUMFX
39.55- 39.75	2	255	.78	100.00
39.35- 39.55	2	253	.78	99.22
39.15- 39.35	2	251	.78	98.43
38.95- 39.15	0	249	1.00	97.65
38.75- 38.95	2	249	.78	97.65
38.55- 38.75	3	247	1.18	96.86
38.35- 38.55	0	244	0.00	95.69
38.15- 38.35	5	244	1.96	95.69
37.95- 38.15	4	239	1.57	93.73
37.75- 37.95	0	235	3.14	92.16
37.55- 37.75	7	227	2.75	89.02
37.35- 37.55	4	220	1.57	86.27
37.15- 37.35	4	216	1.57	84.71
36.95- 37.15	8	212	3.14	83.14
36.75- 36.95	16	204	6.27	80.00
36.55- 36.75	9	188	3.53	73.73
36.35- 36.55	13	179	5.10	70.20
36.15- 36.35	7	166	2.75	65.10
35.95- 36.15	11	159	4.31	62.75
35.75- 35.95	17	148	6.67	58.82
35.55- 35.75	18	131	7.06	51.37
35.35- 35.55	14	113	5.49	44.31
35.15- 35.35	14	99	5.49	38.82
34.95- 35.15	6	85	2.35	33.33
34.75- 34.95	9	79	3.53	30.98
34.55- 34.75	10	70	3.92	27.45
34.35- 34.55	12	60	4.71	23.13
34.15- 34.35	5	40	1.96	18.82
33.95- 34.15	4	43	1.57	16.66
33.75- 33.95	3	39	3.14	15.29
33.55- 33.75	8	31	3.14	12.16
33.35- 33.55	3	23	1.18	9.02
33.15- 33.35	4	20	1.57	7.64
32.95- 33.15	4	16	1.57	6.27
32.75- 32.95	4	12	1.57	4.71
32.55- 32.75	1	8	.39	3.14
32.35- 32.55	4	7	1.57	2.75
32.15- 32.35	1	3	.39	1.18
31.95- 32.15	0	2	0.00	.78
31.75- 31.95	0	2	0.00	.78
31.55- 31.75	0	2	0.00	.78
31.35- 31.55	1	2	.39	.78
31.15- 31.35	1	1	0.00	.39
30.95- 31.15	1	1	0.00	.39
30.75- 30.95	1	1	.39	.39

FREQUENCY TABLES FOR TRADITIONAL SUBSERIES

17T ABCCPINAL EXT'N BROTH, SIT

RANGES	FRO	CLMF	FROZ	CUMFZ
39.25- 39.75	1	255	.39	100.00
38.75- 39.25	0	254	0.00	99.61
38.25- 38.75	0	254	3.00	99.61
37.75- 38.25	2	254	.78	99.61
37.25- 37.75	2	252	.78	98.82
36.75- 37.25	2	250	.78	98.04
36.25- 36.75	0	248	0.00	97.25
35.75- 36.25	3	248	1.18	97.25
35.25- 35.75	2	246	.78	96.08
34.75- 35.25	6	243	2.35	95.29
34.25- 34.75	6	237	2.35	92.94
33.75- 34.25	6	231	2.35	90.59
33.25- 33.75	5	225	1.96	88.24
32.75- 33.25	13	220	3.92	86.27
32.25- 32.75	13	210	5.11	82.35
31.75- 32.25	10	197	3.92	77.25
31.25- 31.75	11	187	4.31	73.33
30.75- 31.25	17	176	6.67	69.02
30.25- 30.75	13	159	5.10	62.35
29.75- 30.25	12	146	4.71	57.25
29.25- 29.75	15	134	7.45	52.55
28.75- 29.25	15	115	7.45	45.10
28.25- 28.75	15	96	7.45	37.65
27.75- 28.25	16	77	6.27	30.20
27.25- 27.75	18	61	7.06	23.97
26.75- 27.25	10	43	3.92	16.86
26.25- 26.75	12	33	4.71	12.94
25.75- 26.25	7	21	2.75	8.24
25.25- 25.75	3	14	1.18	5.49
24.75- 25.25	6	11	2.35	4.31
24.25- 24.75	1	5	.39	1.96
23.75- 24.25	2	4	.78	1.57
23.25- 23.75	0	2	0.00	.78
22.75- 23.25	1	2	.39	.78
22.25- 22.75	1	1	.39	.79

18T THIGH-TO-THIGH BREADTH/SIT

RANGES	FRO	CUMF	FROZ	CUMFZ
47.75- 48.25	1	255	.39	100.00
47.25- 47.75	0	254	0.00	99.61
46.75- 47.25	2	254	.78	99.61
46.25- 46.75	2	252	.78	98.82
45.75- 46.25	1	250	.39	98.04
45.25- 45.75	1	249	.39	97.25
44.75- 45.25	0	248	0.00	97.25
44.25- 44.75	3	246	1.18	97.25
43.75- 44.25	2	246	.78	96.08
43.25- 43.75	3	243	1.18	95.29
42.75- 43.25	10	240	3.92	94.12
42.25- 42.75	5	230	1.96	90.20
41.75- 42.25	11	225	4.31	88.24
41.25- 41.75	3	214	1.18	83.92
40.75- 41.25	9	211	3.53	82.75
40.25- 40.75	15	202	5.85	79.22
39.75- 40.25	8	187	3.14	73.33
39.25- 39.75	10	179	3.92	70.20
38.75- 39.25	22	169	7.84	66.27
38.25- 38.75	17	149	6.67	58.43
37.75- 38.25	24	137	9.41	51.76
37.25- 37.75	9	108	3.53	42.35
36.75- 37.25	15	99	5.88	38.82
36.25- 36.75	19	84	7.06	32.64
35.75- 36.25	10	66	3.92	25.68
35.25- 35.75	10	56	3.92	21.96
34.75- 35.25	10	46	3.92	18.04
34.25- 34.75	6	36	2.35	14.12
33.75- 34.25	8	30	3.14	11.76
33.25- 33.75	5	22	1.96	8.63
32.75- 33.25	5	17	1.96	6.67
32.25- 32.75	4	12	1.57	4.71
31.75- 32.25	6	8	2.35	3.14
31.25- 31.75	1	2	.39	.78
30.75- 31.25	0	1	0.00	.39
30.25- 30.75	0	1	0.00	.39
29.75- 30.25	1	1	.39	.39

FREQUENCY TABLES FOR TRADITIONAL SUBSERIES

19" WAIST CIRCUM'CE (CHEFALION)

RANGES	FREQ	CUMF	FREQ	CUMFX
104.75-105.75	1	255	.39	100.00
107.75-108.75	0	254	0.00	99.61
106.75-107.75	0	254	0.00	99.61
105.75-106.75	0	254	0.00	99.61
104.75-105.75	0	254	0.00	99.61
103.75-104.75	1	254	.39	99.61
102.75-103.75	0	253	0.00	99.22
101.75-102.75	0	253	0.00	99.22
100.75-101.75	0	253	0.00	99.22
99.75-100.75	0	253	0.00	99.22
98.75-99.75	0	253	0.00	99.22
97.75-98.75	0	253	0.00	99.22
96.75-97.75	1	253	.39	99.22
95.75-96.75	2	252	.78	98.82
94.75-95.75	4	250	1.57	98.04
93.75-94.75	1	246	.39	96.47
92.75-93.75	0	245	0.00	96.08
91.75-92.75	1	245	.39	96.08
90.75-91.75	0	244	0.00	95.69
89.75-90.75	3	244	1.18	95.69
88.75-89.75	1	242	.39	94.51
87.75-88.75	4	240	1.57	94.12
86.75-87.75	8	236	3.14	92.55
85.75-86.75	3	228	1.18	89.41
84.75-85.75	2	225	.78	88.24
83.75-84.75	4	223	1.57	87.45
82.75-83.75	12	219	4.71	85.88
81.75-82.75	9	207	3.53	81.15
80.75-81.75	9	198	3.53	77.65
79.75-80.75	8	189	3.14	74.12
78.75-79.75	10	181	3.92	70.98
77.75-78.75	12	171	4.71	67.06
76.75-77.75	14	159	5.49	62.35
75.75-76.75	11	145	4.31	56.86
74.75-75.75	12	134	4.71	52.55
73.75-74.75	15	122	5.88	47.84
72.75-73.75	14	107	5.49	41.96
71.75-72.75	11	93	4.31	36.47
70.75-71.75	14	82	5.49	32.16
69.75-70.75	12	68	4.71	26.67
68.75-69.75	10	56	3.92	21.96
67.75-68.75	13	46	5.10	18.04
66.75-67.75	10	33	3.92	12.94
65.75-66.75	8	23	3.14	9.02
64.75-65.75	6	15	2.35	5.58
63.75-64.75	6	9	2.35	3.53
62.75-63.75	0	3	0.00	1.18
61.75-62.75	2	3	.78	1.18
60.75-61.75	0	1	0.00	.39
59.75-60.75	1	1	.39	.39

20" HIF CIRCUMFERENCE, SITTING

RANGES	FREQ	CUMF	FREQ	CUMFX
124.75-125.75	1	255	.39	100.00
123.75-124.75	0	254	0.00	99.61
122.75-123.75	0	254	0.00	99.61
121.75-122.75	0	254	0.00	99.61
120.75-121.75	0	254	0.00	99.61
119.75-120.75	0	254	0.00	99.61
118.75-119.75	0	254	0.00	99.61
117.75-118.75	0	254	0.00	99.61
116.75-117.75	1	254	.39	99.61
115.75-116.75	1	253	.39	99.22
114.75-115.75	2	252	.78	98.82
113.75-114.75	0	250	0.00	98.04
112.75-113.75	0	250	0.00	98.04
111.75-112.75	3	250	1.18	96.47
110.75-111.75	1	247	.39	96.08
109.75-110.75	5	246	1.96	95.69
108.75-109.75	2	241	.78	94.51
107.75-108.75	4	239	1.57	93.73
106.75-107.75	7	235	2.75	92.16
105.75-106.75	6	228	2.35	89.41
104.75-105.75	9	222	3.53	87.06
103.75-104.75	9	213	3.53	83.53
102.75-103.75	10	204	3.92	80.00
101.75-102.75	10	194	3.92	75.68
100.75-101.75	12	184	4.71	72.16
99.75-100.75	13	172	5.10	67.45
98.75-99.75	9	159	3.53	62.35
97.75-98.75	10	150	3.92	58.02
96.75-97.75	11	132	5.24	51.76
95.75-96.75	15	111	7.06	47.53
94.75-95.75	11	93	4.31	36.47
93.75-94.75	11	82	4.31	32.16
92.75-93.75	16	71	6.27	27.84
91.75-92.75	12	55	4.71	21.96
90.75-91.75	7	43	2.75	16.86
89.75-90.75	0	36	3.14	14.12
88.75-89.75	8	28	3.14	12.98
87.75-88.75	4	20	1.57	7.64
86.75-87.75	9	16	3.53	6.27
85.75-86.75	7	7	1.18	2.75
84.75-85.75	2	4	.78	1.57
83.75-84.75	0	2	0.00	.78
82.75-83.75	1	2	.39	.78
81.75-82.75	1	1	.39	.39

FREQUENCY TABLES FOR TRADITIONAL SUBSERIES

22T AXILLARY ARM CIRCUMFERENCE

21T VERTICAL TRUNK CIRC, SIT.

RANGES	FQ	CUMF	FRQX	CUMFX
36.85-37.15	1	255	.39	100.00
36.55-36.85	0	254	0.00	99.61
36.25-36.55	0	254	0.00	99.61
35.95-36.25	0	254	0.00	99.61
35.65-35.95	0	254	0.00	99.61
35.35-35.65	0	254	0.00	99.61
35.05-35.35	0	254	0.00	99.61
34.75-35.05	0	254	0.00	99.61
34.45-34.75	3	254	1.18	99.61
34.15-34.45	0	251	0.00	98.43
33.85-34.15	1	251	.39	98.43
33.55-33.85	3	250	1.18	98.04
33.25-33.55	1	247	.39	96.86
32.95-33.25	1	246	.39	96.47
32.65-32.95	2	245	.78	96.08
32.35-32.65	2	243	.78	95.29
32.05-32.35	0	241	0.00	94.51
31.75-32.05	1	241	.39	94.51
31.45-31.75	3	240	1.18	94.12
31.15-31.45	3	237	1.18	92.94
30.85-31.15	0	234	0.00	91.76
30.55-30.85	2	234	.78	91.76
30.25-30.55	12	232	4.71	90.58
29.95-30.25	4	220	1.57	86.27
29.65-29.95	12	216	4.71	84.71
29.35-29.65	11	204	4.31	80.00
29.05-29.35	6	193	2.35	75.65
28.75-29.05	12	187	4.71	73.33
28.45-28.75	14	175	5.49	68.63
28.15-28.45	12	161	4.71	63.14
27.85-28.15	14	149	5.49	58.43
27.55-27.85	12	135	4.71	52.94
27.25-27.55	13	123	5.10	48.24
26.95-27.25	6	110	2.35	43.14
26.65-26.95	8	104	3.14	40.78
26.35-26.65	12	96	4.71	37.65
26.05-26.35	10	84	3.92	32.94
25.75-26.05	13	74	5.10	29.02
25.45-25.75	7	61	2.75	23.62
25.15-25.45	10	54	3.92	21.18
24.85-25.15	5	44	1.96	17.25
24.55-24.85	8	39	3.14	15.29
24.25-24.55	7	31	2.75	12.16
23.95-24.25	2	24	.78	9.41
23.65-23.95	6	22	2.35	6.63
23.35-23.65	6	16	2.35	6.27
23.05-23.35	6	10	2.35	3.92
22.75-23.05	1	4	.39	1.57
22.45-22.75	3	3	1.18	1.18

FREQUENCY TABLES FOR TRADITIONAL SUBSERIES

23T EICEFS CIRCUM'CE, RELAXED

RANGES	FRC	CUMF	FROX	CUMFX
34.15- 34.45	1	255	.39	100.00
33.85- 34.15	1	254	0.00	99.61
33.55- 33.85	1	254	.39	99.61
33.25- 33.55	2	253	.78	99.22
32.95- 33.25	0	251	0.00	98.43
32.65- 32.95	1	251	.39	98.43
32.35- 32.65	2	250	.76	98.04
32.05- 32.35	0	248	0.00	97.25
31.75- 32.05	0	246	0.00	97.25
31.45- 31.75	1	248	0.00	97.25
31.15- 31.45	1	246	.39	97.25
30.85- 31.15	1	247	.39	96.86
30.55- 30.85	2	246	.78	96.47
30.25- 30.55	2	244	.78	95.69
29.95- 30.25	3	242	1.16	94.90
29.65- 29.95	2	239	.78	93.73
29.35- 29.65	2	237	.78	92.94
29.05- 29.35	3	235	1.16	92.16
28.75- 29.05	3	232	1.16	90.98
28.45- 28.75	7	229	2.75	85.60
28.15- 28.45	6	222	2.35	67.06
27.85- 28.15	5	216	3.93	84.71
27.55- 27.85	9	207	3.53	81.13
27.25- 27.55	11	198	4.31	77.65
26.95- 27.25	14	187	5.49	73.33
26.65- 26.95	14	173	5.49	67.84
26.35- 26.65	10	159	3.92	62.35
26.05- 26.35	11	149	4.31	58.43
25.75- 26.05	15	138	7.45	54.12
25.45- 25.75	15	119	5.88	46.67
25.15- 25.45	11	104	4.31	40.78
24.85- 25.15	9	93	3.53	36.47
24.55- 24.85	7	84	2.75	32.94
24.25- 24.55	9	77	3.53	30.20
23.95- 24.25	9	68	3.53	26.67
23.65- 23.95	9	59	3.53	23.14
23.35- 23.65	8	50	3.14	19.61
23.05- 23.35	10	42	3.92	16.47
22.75- 23.05	4	32	1.57	12.55
22.45- 22.75	2	28	.78	10.98
22.15- 22.45	4	26	1.57	10.20
21.85- 22.15	6	22	2.35	8.63
21.55- 21.85	3	16	1.16	6.27
21.25- 21.55	9	13	3.53	5.10
20.95- 21.25	2	4	.78	1.57
20.65- 20.95	1	2	.39	.78
20.35- 20.65	0	1	0.00	.39
20.05- 20.35	1	1	.39	.39

24T FOREARY CIRCUM'CE, RELAXED

RANGES	FRC	CUMF	FROX	CUMFX
28.55- 28.75	1	255	.39	100.00
28.35- 28.55	0	254	0.00	99.61
28.15- 28.35	0	254	0.00	99.61
27.95- 28.15	0	254	0.00	99.61
27.75- 27.95	1	254	.39	99.61
27.55- 27.75	0	253	0.00	99.22
27.35- 27.55	0	253	0.00	99.22
27.15- 27.35	0	253	0.00	99.22
26.95- 27.15	0	253	0.00	99.22
26.75- 26.95	2	251	.78	95.22
26.55- 26.75	3	251	1.16	90.43
26.35- 26.55	1	246	.39	97.25
26.15- 26.35	1	247	.39	96.86
25.95- 26.15	3	246	1.16	96.47
25.75- 25.95	2	243	.78	95.29
25.55- 25.75	4	241	1.57	94.51
25.35- 25.55	4	237	1.57	92.94
25.15- 25.35	7	233	2.75	91.37
24.95- 25.15	5	226	1.96	88.63
24.75- 24.95	10	221	3.92	86.67
24.55- 24.75	5	211	1.96	82.75
24.35- 24.55	9	208	3.53	80.78
24.15- 24.35	10	197	3.92	77.25
23.95- 24.15	9	187	3.53	73.33
23.75- 23.95	15	173	5.49	68.83
23.55- 23.75	10	163	3.92	63.92
23.35- 23.55	15	153	5.88	60.00
23.15- 23.35	10	138	3.92	54.12
22.95- 23.15	14	128	5.49	50.20
22.75- 22.95	15	114	7.45	44.71
22.55- 22.75	14	95	5.49	37.25
22.35- 22.55	15	81	5.88	31.76
22.15- 22.35	8	66	1.96	25.88
21.95- 22.15	11	61	4.31	23.92
21.75- 21.95	5	50	1.96	19.61
21.55- 21.75	8	45	3.14	17.65
21.35- 21.55	9	37	3.53	14.51
21.15- 21.35	12	26	4.71	10.98
20.95- 21.15	3	16	1.16	6.27
20.75- 20.95	7	13	2.75	5.10
20.55- 20.75	2	6	.78	2.35
20.35- 20.55	4	4	1.57	1.57

FREQUENCY TABLES FOR TRADITIONAL SUBSERIES

25T SCAPULAR SKINFOLD

RANGES	FRC	CUMF	FRQ%	CUMF%
3.45-	3.55	1	255	.39 100.00
3.35-	3.45	0	254	0.00 99.61
3.25-	3.35	1	254	.39 99.61
3.15-	3.25	0	253	0.00 99.22
3.05-	3.15	1	253	.39 99.22
2.95-	3.05	1	252	.79 98.83
2.85-	2.95	4	251	1.57 98.43
2.75-	2.85	2	247	.78 96.86
2.65-	2.75	5	245	1.96 96.08
2.55-	2.65	3	240	1.12 94.12
2.45-	2.55	7	237	2.75 92.94
2.35-	2.45	4	230	1.57 90.20
2.25-	2.35	1	226	.39 88.63
2.15-	2.25	4	225	1.57 88.24
2.05-	2.15	3	221	1.12 86.67
1.95-	2.05	2	218	.78 85.49
1.85-	1.95	10	216	3.92 84.71
1.75-	1.85	6	206	2.35 80.78
1.65-	1.75	10	200	3.92 78.43
1.55-	1.65	16	190	6.27 74.51
1.45-	1.55	16	174	6.27 68.24
1.35-	1.45	9	158	3.53 61.96
1.25-	1.35	20	149	7.84 58.43
1.15-	1.25	23	129	9.02 50.59
1.05-	1.15	23	116	9.02 41.57
.95-	1.05	22	83	8.63 32.55
.85-	.95	19	61	7.45 23.92
.75-	.85	16	42	6.27 16.47
.65-	.75	17	26	6.57 10.20
.55-	.65	9	9	3.53 3.53

26T TRICEPS SKINFOLD

RANGES	FFQ	CUMF	FRQ%	CUMF%
3.45-	3.55	1	255	.39 100.00
3.35-	3.45	0	254	0.00 99.61
3.25-	3.35	1	254	.39 99.61
3.15-	3.25	2	253	.78 99.22
3.05-	3.15	0	251	0.00 98.43
2.95-	3.05	0	251	0.00 98.43
2.85-	2.95	2	251	.78 98.43
2.75-	2.85	0	249	0.00 97.65
2.65-	2.75	3	249	1.18 97.65
2.55-	2.65	2	246	.78 96.47
2.45-	2.55	6	244	2.35 95.69
2.35-	2.45	5	238	1.96 93.33
2.25-	2.35	12	233	4.71 91.37
2.15-	2.25	15	221	5.88 86.67
2.05-	2.15	18	206	7.06 80.78
1.95-	2.05	19	188	7.45 73.73
1.85-	1.95	22	169	8.63 66.27
1.75-	1.85	23	147	9.02 57.65
1.65-	1.75	36	124	6.27 48.63
1.55-	1.65	12	108	4.71 42.35
1.45-	1.55	22	96	8.63 37.65
1.35-	1.45	11	74	4.31 29.02
1.25-	1.35	16	67	6.27 24.71
1.15-	1.25	15	47	5.88 18.43
1.05-	1.15	13	32	5.10 12.55
.95-	1.05	9	19	3.53 7.45
.85-	.95	4	10	1.57 3.92
.75-	.85	1	6	.39 2.35
.65-	.75	5	5	1.96 1.96

FREQUENCY TABLES FOR TRADITIONAL SUBSERIES

28T SUPRAILIAC SKINFOLD

RANGES	FFQ	CUMF	FRQX	CUMFX
3.85- 3.95	1	255	.39	100.00
3.75- 3.85	0	254	1.00	99.61
3.65- 3.75	1	254	.39	99.22
3.55- 3.65	2	253	.78	98.43
3.45- 3.55	1	251	.39	98.04
3.35- 3.45	0	250	0.00	98.04
3.25- 3.35	1	250	.39	97.65
3.15- 3.25	3	249	1.19	97.65
3.05- 3.15	3	246	1.18	96.47
2.95- 3.05	3	243	1.18	95.29
2.85- 2.95	1	240	.39	94.12
2.75- 2.85	4	239	1.57	93.73
2.65- 2.75	5	235	1.96	92.16
2.55- 2.65	5	230	1.96	90.20
2.45- 2.55	4	225	3.14	88.24
2.35- 2.45	3	217	1.18	85.10
2.25- 2.35	7	214	2.75	83.92
2.15- 2.25	14	217	5.49	81.18
2.05- 2.15	9	193	3.53	75.69
1.95- 2.05	15	164	5.88	72.16
1.85- 1.95	9	169	3.53	66.27
1.75- 1.85	11	164	4.31	62.75
1.65- 1.75	14	149	5.49	58.43
1.55- 1.65	13	135	3.92	52.94
1.45- 1.55	20	125	7.84	49.02
1.35- 1.45	14	105	5.49	41.18
1.25- 1.35	9	91	3.53	35.69
1.15- 1.25	19	82	7.45	32.16
1.05- 1.15	12	63	4.71	24.71
.95- 1.05	13	51	5.10	20.00
.85- .95	9	38	3.53	14.90
.75- .85	9	29	3.53	11.37
.65- .75	10	20	3.92	7.84
.55- .65	5	14	1.96	3.92
.45- .55	3	5	.78	1.56
.35- .45	1	3	.39	1.18
.25- .35	1	2	.39	.78
.15- .25	0	1	0.00	.39
.05- .15	1	1	.39	.39

27T EICFPS SKINFOLD

RANGES	FRQ	CUMF	FRQX	CUMFX
2.15- 2.25	1	255	.39	100.00
2.05- 2.15	1	254	.39	99.61
1.95- 2.05	1	253	.39	99.22
1.85- 1.95	1	252	.39	98.82
1.75- 1.85	0	251	0.00	98.43
1.65- 1.75	2	251	.78	98.43
1.55- 1.65	4	249	1.57	97.65
1.45- 1.55	8	245	3.14	96.08
1.35- 1.45	9	237	1.96	92.94
1.25- 1.35	16	232	6.27	90.99
1.15- 1.25	16	216	6.27	84.71
1.05- 1.15	16	200	6.27	78.43
.95- 1.05	29	184	11.37	72.16
.85- .95	18	155	7.06	60.74
.75- .85	12	137	4.71	53.73
.65- .75	39	125	15.29	49.02
.55- .65	25	86	9.80	33.73
.45- .55	15	61	5.88	23.92
.35- .45	23	46	9.02	18.04
.25- .35	19	23	7.45	9.02
.15- .25	4	4	1.57	1.57

A-3. FREQUENCY TABLES FOR WORKSPACE SUBSERIES

24 FUNCTIONAL REACH

1W OVERHEAD REACH HEIGHT

RANGES		FREQ	CUMF	FREQ	CUMF%
83.25-	83.75	1	30.1	.33	100.00
82.75-	83.25	0	299	0.00	99.67
82.25-	82.75	0	299	0.00	99.67
81.75-	82.25	1	299	.33	99.67
81.25-	81.75	2	298	.67	99.33
80.75-	81.25	1	296	.33	98.67
80.25-	80.75	2	295	.67	98.33
79.75-	80.25	5	293	1.67	97.67
79.25-	79.75	2	288	.67	96.00
78.75-	79.25	2	286	.67	95.33
78.25-	78.75	3	284	1.00	94.67
77.75-	78.25	4	281	1.33	93.67
77.25-	77.75	9	277	3.00	92.33
76.75-	77.25	6	268	2.00	89.33
76.25-	76.75	1	262	.33	87.33
75.75-	76.25	7	261	2.33	87.00
75.25-	75.75	9	254	3.00	84.67
74.75-	75.25	14	245	4.67	81.67
74.25-	74.75	8	271	2.67	77.30
73.75-	74.25	7	223	2.33	74.33
73.25-	73.75	11	216	3.67	72.00
72.75-	73.25	0	205	2.67	68.33
72.25-	72.75	15	197	5.00	65.67
71.75-	72.25	12	182	4.00	61.67
71.25-	71.75	12	177	4.00	56.67
70.75-	71.25	21	158	7.00	52.67
70.25-	70.75	12	137	4.00	45.67
69.75-	70.25	13	125	4.33	41.67
69.25-	69.75	7	112	2.33	37.33
68.75-	69.25	10	115	3.33	35.00
68.25-	68.75	17	95	5.67	31.67
67.75-	68.25	4	78	3.00	26.00
67.25-	67.75	10	69	3.33	23.00
66.75-	67.25	7	59	2.33	19.67
66.25-	66.75	6	52	2.00	17.33
65.75-	66.25	6	46	2.00	15.33
65.25-	65.75	13	40	4.33	13.33
64.75-	65.25	5	27	1.67	9.00
64.25-	64.75	5	22	1.67	7.33
63.75-	64.25	5	17	1.67	5.67
63.25-	63.75	2	12	.67	4.00
62.75-	63.25	3	10	1.00	3.33
62.25-	62.75	3	7	1.00	2.33
61.75-	62.25	6	4	3.00	1.33
61.25-	61.75	0	4	0.00	1.33
60.75-	61.25	1	4	.33	1.33
60.25-	60.75	1	3	.33	1.00
59.75-	60.25	1	2	.33	.67
59.25-	59.75	1	1	.33	.33

FREQUENCY TABLES FOR WORKSPACE SUBSERIES

3M FUNCTIONAL REACH, EXTENDED

RANGES	FREQ	CLPF	FREQ	CUMF%
95.75- 96.75	1	300	.33	100.00
94.75- 95.75	6	299	2.00	99.67
93.75- 94.75	2	293	.67	97.67
92.75- 93.75	0	291	0.00	97.00
91.75- 92.75	14	291	4.67	97.00
90.75- 91.75	6	277	2.00	92.33
89.75- 90.75	11	271	3.67	90.33
88.75- 89.75	16	266	5.33	86.67
87.75- 88.75	13	244	4.33	81.33
86.75- 87.75	10	231	3.33	77.00
85.75- 86.75	21	221	7.00	73.67
84.75- 85.75	19	210	6.33	66.67
83.75- 84.75	20	181	6.67	60.33
82.75- 83.75	23	161	7.67	53.67
81.75- 82.75	17	138	5.67	46.00
80.75- 81.75	19	121	6.33	40.33
79.75- 80.75	17	132	5.67	34.00
78.75- 79.75	18	95	6.00	28.33
77.75- 78.75	16	57	5.33	22.33
76.75- 77.75	12	51	4.00	17.00
75.75- 76.75	5	39	1.67	13.00
74.75- 75.75	13	34	4.33	11.33
73.75- 74.75	7	21	2.33	7.00
72.75- 73.75	1	14	.33	4.67
71.75- 72.75	6	13	2.00	4.33
70.75- 71.75	0	7	0.00	2.33
69.75- 70.75	2	7	.67	2.33
68.75- 69.75	2	5	.67	1.67
67.75- 68.75	2	3	.67	1.00
66.75- 67.75	0	1	0.00	.33
65.75- 66.75	0	1	0.00	.33
64.75- 65.75	1	1	0.00	.33
63.75- 64.75	0	1	0.00	.33
62.75- 63.75	0	1	0.00	.33
61.75- 62.75	1	1	.33	.33

4M OVERHEAD REACH, SITTING

RANGES	FREQ	CUMF	FREQ	CUMF%
143.75-144.75	2	300	.67	100.00
142.75-143.75	2	296	.67	99.33
141.75-142.75	4	296	1.33	98.67
140.75-141.75	1	292	.33	97.33
139.75-140.75	3	281	1.00	97.00
138.75-139.75	6	268	2.00	96.00
137.75-138.75	8	242	2.67	94.00
136.75-137.75	11	274	3.67	91.33
135.75-136.75	10	263	3.33	87.67
134.75-135.75	12	253	4.00	84.33
133.75-134.75	13	241	4.33	80.33
132.75-133.75	17	228	5.67	76.00
131.75-132.75	15	211	5.00	70.33
130.75-131.75	16	196	5.33	65.33
129.75-130.75	17	180	5.67	60.00
128.75-129.75	24	163	8.00	54.00
127.75-128.75	19	139	6.33	46.33
126.75-127.75	15	120	6.33	40.00
125.75-126.75	12	101	4.00	33.67
124.75-125.75	16	80	5.33	29.67
123.75-124.75	9	73	3.00	24.33
122.75-123.75	13	64	4.33	21.33
121.75-122.75	12	51	3.33	17.00
120.75-121.75	12	41	4.00	13.67
119.75-120.75	3	29	1.00	9.67
118.75-119.75	7	26	2.33	8.67
117.75-118.75	3	19	1.00	6.33
116.75-117.75	2	16	.67	5.33
115.75-116.75	4	14	1.33	4.67
114.75-115.75	2	10	.67	3.33
113.75-114.75	1	8	.33	2.67
112.75-113.75	2	7	.67	2.33
111.75-112.75	2	5	.67	1.67
110.75-111.75	2	3	.67	1.00
109.75-110.75	0	1	0.00	.33
108.75-109.75	1	1	.33	.33

FREQUENCY TABLES FOR WORKSPACE SUBSERIES

5A FUNCTIONAL LEC LENGTH					6W WEIGHT (IN POUNDS/CLOTHED)			
RANGES	FRO	CUMF	FROX	CUMFX	RANGES	FRO	CUMF	CUMFX
127.75-128.75	1	.33	100.00		212.75-214.75	1	.33	100.00
126.75-127.75	0	.00	99.67		209.75-212.25	0	.299	99.67
125.75-126.75	0	.00	99.67		217.25-209.75	0	.299	99.67
124.75-125.75	0	.00	99.67		204.75-207.25	0	.299	99.67
123.75-124.75	0	.00	99.67		202.25-204.75	0	.299	99.67
122.75-123.75	0	.00	99.67		199.75-202.25	0	.299	99.67
121.75-122.75	1	.33	99.67		197.25-199.75	0	.299	99.67
120.75-121.75	2	.67	99.33		194.75-197.25	1	.299	99.67
119.75-120.75	0	.00	99.67		192.25-194.75	0	.298	99.33
118.75-119.75	0	.00	99.67		189.75-192.25	0	.298	99.33
117.75-118.75	0	.00	99.67		187.25-189.75	0	.298	99.33
116.75-117.75	0	.00	99.67		184.75-187.25	0	.298	99.33
115.75-116.75	0	.00	99.67		182.25-184.75	0	.298	99.33
114.75-115.75	0	.00	99.67		179.75-182.25	0	.298	99.33
113.75-114.75	0	.00	99.67		177.25-179.75	0	.298	99.33
112.75-113.75	0	.00	99.67		174.75-177.25	1	.299	99.33
111.75-112.75	0	.00	99.67		172.25-174.75	2	.297	99.00
110.75-111.75	0	.00	99.67		169.75-172.25	3	.295	98.33
109.75-110.75	0	.00	99.67		167.25-169.75	5	.292	97.33
108.75-109.75	0	.00	99.67		164.75-167.25	3	.287	95.67
107.75-108.75	0	.00	99.67		162.25-164.75	4	.284	94.67
106.75-107.75	0	.00	99.67		159.75-162.25	5	.280	93.33
105.75-106.75	0	.00	99.67		157.25-159.75	8	.275	91.67
104.75-105.75	0	.00	99.67		154.75-157.25	7	.267	89.00
103.75-104.75	0	.00	99.67		152.25-154.75	8	.260	86.67
102.75-103.75	0	.00	99.67		149.75-152.25	14	.252	84.00
101.75-102.75	0	.00	99.67		147.25-149.75	11	.238	79.33
100.75-101.75	0	.00	99.67		144.75-147.25	14	.227	75.67
99.75-100.75	0	.00	99.67		142.25-144.75	16	.213	71.00
98.75-99.75	0	.00	99.67		139.75-142.25	23	.197	65.67
97.75-98.75	0	.00	99.67		137.25-139.75	21	.174	58.00
96.75-97.75	0	.00	99.67		134.75-137.25	10	.153	51.00
95.75-96.75	0	.00	99.67		132.25-134.75	16	.143	47.67
94.75-95.75	0	.00	99.67		129.75-132.25	15	.127	42.33
93.75-94.75	0	.00	99.67		127.25-129.75	18	.112	37.33
92.75-93.75	0	.00	99.67		124.75-127.25	15	.094	31.33
91.75-92.75	0	.00	99.67		122.25-124.75	12	.079	26.33
					119.75-122.25	10	.067	22.33
					117.25-119.75	17	.057	19.00
					114.75-117.25	16	.043	13.33
					112.25-114.75	4	.030	10.00
					109.75-112.25	4	.026	8.67
					107.25-109.75	5	.022	7.33
					104.75-107.25	7	.017	5.67
					102.25-104.75	2	.010	3.33
					99.75-102.25	3	.008	2.67
					97.25-99.75	2	.005	1.67
					94.75-97.25	1	.003	1.00
					92.25-94.75	1	.002	.67
					89.75-92.25	1	.001	.33

FREQUENCY TABLES FOR WORKSPACE SUBSERIES

7M STATURE (CLOTHED)

RANGES	FREQ	CUMF	FREQ	CUMF
186.75-187.75	1	300	.33	100.00
185.75-186.75	3	299	0.00	99.67
184.75-185.75	1	299	.33	99.67
183.75-184.75	3	298	1.00	99.33
182.75-183.75	0	295	1.00	98.33
181.75-182.75	0	295	0.00	98.33
180.75-181.75	1	295	.33	98.33
179.75-180.75	4	294	1.33	96.00
178.75-179.75	4	290	1.33	96.67
177.75-178.75	7	286	2.33	95.33
176.75-177.75	9	279	3.00	93.00
175.75-176.75	5	271	1.67	94.00
174.75-175.75	6	265	2.00	88.33
173.75-174.75	10	259	3.33	86.33
172.75-173.75	8	249	2.67	83.00
171.75-172.75	11	241	3.67	80.33
170.75-171.75	9	229	1.00	76.67
169.75-170.75	13	221	4.33	73.67
168.75-169.75	17	208	5.67	69.33
167.75-168.75	21	191	7.00	63.67
166.75-167.75	1	170	6.00	56.67
165.75-166.75	21	152	7.33	50.67
164.75-165.75	17	131	5.67	43.67
163.75-164.75	21	114	7.00	36.00
162.75-163.75	22	93	7.33	31.00
161.75-162.75	16	71	5.33	23.67
160.75-161.75	14	55	4.67	16.33
159.75-160.75	9	41	3.00	13.67
158.75-159.75	8	32	2.67	10.67
157.75-158.75	5	24	1.67	8.00
156.75-157.75	5	19	1.67	6.33
155.75-156.75	3	14	1.00	4.67
154.75-155.75	3	11	1.00	3.67
153.75-154.75	1	8	.33	2.67
152.75-153.75	1	7	.33	2.33
151.75-152.75	2	6	.67	2.00
150.75-151.75	1	4	.33	1.33
149.75-150.75	1	3	.33	1.00
148.75-149.75	0	2	0.00	.67
147.75-148.75	1	2	.33	.67
146.75-147.75	1	1	.33	.33

8M OVERHEAD REACH BREADTH

RANGES	FREQ	CUMF	FREQ	CUMF
40.75-41.05	1	306	.33	100.00
40.45-40.75	1	299	.33	99.67
40.15-40.45	0	290	1.00	99.33
39.85-40.15	1	290	.33	99.33
39.55-39.85	2	297	.67	99.00
39.25-39.55	1	295	.33	98.33
38.95-39.25	0	294	0.00	98.00
38.65-38.95	0	294	0.00	98.00
38.35-38.65	3	294	1.00	98.00
38.05-38.35	1	291	.33	97.00
37.75-38.05	3	290	1.00	96.67
37.45-37.75	9	267	3.00	95.67
37.15-37.45	6	278	2.00	92.67
36.85-37.15	12	272	4.00	90.67
36.55-36.85	12	261	4.00	86.67
36.25-36.55	14	248	4.67	82.67
35.95-36.25	14	234	4.67	78.00
35.65-35.95	15	220	5.00	73.33
35.35-35.65	24	206	8.00	68.33
35.05-35.35	18	181	5.33	63.33
34.75-35.05	18	163	6.00	59.00
34.45-34.75	19	147	6.33	49.00
34.15-34.45	15	120	5.00	42.67
33.85-34.15	16	113	5.33	37.67
33.55-33.85	16	97	5.33	32.33
33.25-33.55	16	81	5.33	27.00
32.95-33.25	12	65	4.00	21.67
32.65-32.95	15	53	3.00	17.67
32.35-32.65	10	38	3.33	12.67
32.05-32.35	4	28	1.33	9.33
31.75-32.05	6	24	2.00	8.00
31.45-31.75	4	18	1.33	6.00
31.15-31.45	6	14	2.00	4.67
30.85-31.15	1	8	.33	2.67
30.55-30.85	3	7	1.00	2.33
30.25-30.55	0	4	0.00	1.33
29.95-30.25	0	4	0.00	1.33
29.65-29.95	1	1	.33	.33

FREQUENCY TABLES FOR WORKSPACE SUBSERIES

54 BENT TCRSO HEIGHT

RANGES	FREQ	CUMF	FREQ	CUMF
142.75-145.75	1	3.0	.33	100.00
147.75-148.75	1	299	.33	99.67
146.75-147.75	0	258	0.00	99.33
145.75-146.75	0	258	0.00	99.33
144.75-145.75	2	258	0.00	99.33
143.75-144.75	2	258	.67	99.33
142.75-143.75	1	256	.33	98.67
141.75-142.75	1	255	.33	98.33
140.75-141.75	4	294	1.33	98.00
139.75-140.75	3	293	1.00	96.67
138.75-139.75	1	287	.33	95.67
137.75-138.75	8	266	2.67	95.33
136.75-137.75	2	278	.67	92.67
135.75-136.75	10	276	3.33	92.00
134.75-135.75	6	266	2.00	88.67
133.75-134.75	7	263	2.33	86.67
132.75-133.75	2	253	2.67	84.33
131.75-132.75	13	245	4.33	81.67
130.75-131.75	17	232	5.67	77.33
129.75-130.75	11	215	2.67	71.67
128.75-129.75	16	214	5.33	68.00
127.75-128.75	13	188	4.33	62.67
126.75-127.75	15	175	5.00	58.33
125.75-126.75	21	160	7.00	53.33
124.75-125.75	13	139	4.33	46.33
123.75-124.75	17	126	5.67	42.00
122.75-123.75	14	109	4.67	36.33
121.75-122.75	12	95	4.00	31.67
120.75-121.75	17	63	3.33	27.67
119.75-120.75	4	73	1.33	24.33
118.75-119.75	13	69	4.33	23.00
117.75-118.75	5	56	1.67	18.67
116.75-117.75	11	51	3.67	17.00
115.75-116.75	8	46	2.67	13.33
114.75-115.75	3	32	1.00	10.67
113.75-114.75	11	29	3.67	9.67
112.75-113.75	2	18	1.00	6.00
111.75-112.75	2	15	.67	5.00
110.75-111.75	6	13	2.00	4.33
109.75-110.75	2	7	1.00	2.33
108.75-109.75	1	4	.33	1.33
107.75-108.75	2	3	.67	1.00
106.75-107.75	0	1	0.00	.33
105.75-106.75	1	1	.33	.33

13W BENT TCRSO REACTH

RANGES	FREQ	CUMF	FREQ	CUMF
45.55-45.85	1	300	.33	100.00
45.25-45.55	1	299	.33	99.67
44.95-45.25	0	298	0.00	99.33
44.65-44.95	1	298	.33	99.33
44.35-44.65	3	297	1.00	99.00
44.05-44.35	1	294	.33	98.67
43.75-44.05	4	293	1.33	97.67
43.45-43.75	5	289	1.67	96.33
43.15-43.45	7	284	2.33	94.67
42.85-43.15	2	277	.67	92.33
42.55-42.85	8	275	2.67	91.67
42.25-42.55	11	267	3.67	89.00
41.95-42.25	14	256	4.67	85.33
41.65-41.95	14	242	4.67	80.67
41.35-41.65	14	228	4.67	76.00
41.05-41.35	16	214	5.33	71.33
40.75-41.05	16	196	5.33	66.00
40.45-40.75	16	182	5.33	60.67
40.15-40.45	11	166	3.67	55.33
39.85-40.15	13	155	4.33	51.67
39.55-39.85	18	142	6.00	47.33
39.25-39.55	20	124	6.67	41.33
38.95-39.25	16	104	5.33	36.67
38.65-38.95	19	88	5.00	29.33
38.35-38.65	10	77	3.33	24.33
38.05-38.35	14	63	4.67	21.00
37.75-38.05	13	46	4.33	16.33
37.45-37.75	5	36	1.67	12.00
37.15-37.45	7	31	2.33	10.33
36.85-37.15	7	24	2.33	8.00
36.55-36.85	4	17	1.33	6.67
36.25-36.55	7	12	2.33	4.33
35.95-36.25	2	6	.67	2.00
35.65-35.95	2	4	.67	1.33
35.35-35.65	0	2	0.00	.67
35.05-35.35	1	2	.33	.67
34.75-35.05	1	1	.33	.33

FREQUENCY TABLES FOR WORKSPACE SUBSERIES

12M KNEELING LEG LENGTH

11M KNEELING HEIGHT

RANGES	FREQ	CUMF	FPGX	CUMFX
136.75-137.75	1	300	.33	100.00
135.75-136.75	1	299	.33	99.67
134.75-135.75	0	298	0.00	99.33
133.75-134.75	2	298	.67	99.33
132.75-133.75	2	296	.67	98.67
131.75-132.75	2	294	.67	98.00
130.75-131.75	3	292	1.00	97.33
129.75-130.75	7	289	2.33	96.33
128.75-129.75	9	282	3.00	94.00
127.75-128.75	9	273	2.67	91.00
126.75-127.75	15	265	5.00	88.33
125.75-126.75	9	250	3.00	83.33
124.75-125.75	16	241	5.33	80.33
123.75-124.75	23	225	7.67	75.00
122.75-123.75	32	202	10.67	67.33
121.75-122.75	22	170	7.33	56.67
120.75-121.75	25	148	8.33	49.33
119.75-120.75	24	123	8.00	41.00
118.75-119.75	26	99	8.67	33.00
117.75-118.75	21	77	7.00	24.33
116.75-117.75	22	52	7.33	17.33
115.75-116.75	10	30	7.33	10.00
114.75-115.75	6	20	2.00	6.67
113.75-114.75	4	14	1.33	4.67
112.75-113.75	3	10	0.00	3.33
111.75-112.75	4	10	1.33	3.33
110.75-111.75	2	6	.67	2.00
109.75-110.75	2	4	.67	1.33
108.75-109.75	1	2	.33	.67
107.75-108.75	0	1	0.00	.33
106.75-107.75	1	1	.33	.33

RANGES	FREQ	CUMF	FPGX	CUMFX
75.25-75.75	1	266	.33	100.00
74.75-75.25	1	259	.33	99.67
74.25-74.75	0	258	0.00	99.33
73.75-74.25	9	253	3.00	99.33
73.25-73.75	1	256	.33	99.33
72.75-73.25	2	247	.67	99.00
72.25-72.75	0	245	0.00	98.33
71.75-72.25	1	245	.33	98.33
71.25-71.75	0	244	0.00	98.00
70.75-71.25	7	244	2.33	98.00
70.25-70.75	5	287	1.67	95.67
69.75-70.25	11	282	2.67	94.00
69.25-69.75	8	271	2.67	93.33
68.75-69.25	7	263	2.33	87.67
68.25-68.75	10	256	3.33	85.33
67.75-68.25	6	246	2.00	82.00
67.25-67.75	9	241	3.00	80.00
66.75-67.25	14	231	4.67	77.00
66.25-66.75	12	217	4.00	72.00
65.75-66.25	10	205	3.33	68.33
65.25-65.75	24	195	8.00	65.00
64.75-65.25	25	171	8.33	57.00
64.25-64.75	11	146	7.67	48.67
63.75-64.25	17	175	5.67	45.00
63.25-63.75	19	110	6.33	39.33
62.75-63.25	10	90	6.00	33.00
62.25-62.75	11	61	3.67	27.00
61.75-62.25	16	70	5.33	23.33
61.25-61.75	9	54	3.00	18.00
60.75-61.25	8	45	2.67	15.00
60.25-60.75	6	37	2.67	12.33
59.75-60.25	7	29	2.33	9.67
59.25-59.75	6	22	2.00	7.33
58.75-59.25	2	14	.67	5.33
58.25-58.75	6	14	2.00	4.67
57.75-58.25	5	8	1.67	2.67
57.25-57.75	2	3	.67	1.00
56.75-57.25	0	1	0.00	.33
56.25-56.75	0	1	0.00	.33
55.75-56.25	0	1	0.00	.33
55.25-55.75	0	1	0.00	.33
54.75-55.25	0	1	0.00	.33
54.25-54.75	0	1	0.00	.33
53.75-54.25	1	1	.33	.33

FREQUENCY TABLES FOR WORKSPACE SUBSERIES

14M HORIZONTAL LENGTH/KNEES BNT

13M 6FMT KNEE HEIGHT

RANGES	FREQ	CUMF	FREQ	CUMFX
55.25-55.75	1	300	.33	100.00
54.75-55.25	0	299	0.00	99.67
54.25-54.75	0	299	0.00	99.67
53.75-54.25	0	299	0.00	99.67
53.25-53.75	0	299	0.00	99.67
52.75-53.25	0	299	0.00	99.67
52.25-52.75	1	299	.33	99.67
51.75-52.25	0	298	0.00	99.33
51.25-51.75	1	298	.33	99.33
50.75-51.25	2	297	.67	99.00
50.25-50.75	2	295	.67	98.33
49.75-50.25	3	293	1.67	97.67
49.25-49.75	5	288	1.67	96.00
48.75-49.25	14	283	4.67	94.33
48.25-48.75	11	269	3.67	89.67
47.75-48.25	14	258	4.67	86.00
47.25-47.75	15	244	6.33	81.33
46.75-47.25	22	225	7.33	75.00
46.25-46.75	18	203	6.00	67.67
45.75-46.25	24	185	8.00	61.67
45.25-45.75	22	161	7.33	53.67
44.75-45.25	22	139	7.33	46.33
44.25-44.75	19	117	6.33	39.00
43.75-44.25	10	98	6.00	32.67
43.25-43.75	22	81	7.33	26.67
42.75-43.25	15	58	5.00	19.33
42.25-42.75	15	43	5.00	14.33
41.75-42.25	12	28	4.00	9.33
41.25-41.75	4	16	1.33	5.33
40.75-41.25	3	12	1.00	4.00
40.25-40.75	2	9	.67	3.00
39.75-40.25	3	7	1.00	2.33
39.25-39.75	1	4	.33	1.33
38.75-39.25	2	3	.67	1.00
38.25-38.75	0	1	0.00	.33
37.75-38.25	0	1	0.00	.33
37.25-37.75	1	1	.33	.33

RANGES	FREQ	CUMF	FREQ	CUMFX
168.75-169.75	3	300	1.00	100.00
167.75-168.75	1	297	.33	99.00
166.75-167.75	2	296	.67	98.67
165.75-166.75	1	294	.33	98.00
164.75-165.75	5	293	1.67	97.67
163.75-164.75	4	288	1.33	96.00
162.75-163.75	4	284	1.33	94.67
161.75-162.75	7	281	2.33	93.33
160.75-161.75	3	273	1.00	91.00
159.75-160.75	4	271	1.33	90.00
158.75-159.75	5	266	1.67	88.67
157.75-158.75	11	251	3.67	87.00
156.75-157.75	17	235	4.33	87.33
155.75-156.75	15	237	5.00	79.00
154.75-155.75	6	222	2.00	74.00
153.75-154.75	11	216	7.67	72.00
152.75-153.75	15	205	5.00	68.33
151.75-152.75	15	190	5.00	63.33
150.75-151.75	20	175	6.67	58.33
149.75-150.75	20	155	6.67	51.67
148.75-149.75	15	135	5.00	45.00
147.75-148.75	15	120	5.00	40.00
146.75-147.75	22	105	7.33	35.00
145.75-146.75	17	87	5.67	27.67
144.75-145.75	9	66	3.00	22.00
143.75-144.75	9	57	3.00	19.00
142.75-143.75	11	48	3.67	16.00
141.75-142.75	13	37	4.33	12.33
140.75-141.75	3	24	1.00	8.00
139.75-140.75	10	21	3.33	7.00
138.75-139.75	3	11	1.00	3.67
137.75-138.75	2	8	1.00	2.67
136.75-137.75	0	5	0.00	1.67
135.75-136.75	1	5	.33	1.67
134.75-135.75	0	4	0.00	1.33
133.75-134.75	2	4	.67	1.33
132.75-133.75	1	2	.33	.67
131.75-132.75	0	1	0.00	.33
130.75-131.75	0	1	0.00	.33
129.75-130.75	0	1	0.00	.33
128.75-129.75	0	1	0.00	.33
127.75-128.75	0	1	0.00	.33
126.75-127.75	0	1	0.00	.33
125.75-126.75	0	1	0.00	.33
124.75-125.75	1	1	.33	.33

A-4. FREQUENCY TABLES FOR HEAD AND FACE SUBSERIES

1M SAGITTAL ARC

RANGES	FREQ	CLPF	FREQ	CUMFX
38.75-38.95	1	216	.46	103.60
38.55-38.75	0	215	0.00	99.54
38.35-38.55	0	215	0.00	99.54
38.15-38.35	2	215	.92	99.54
37.95-38.15	0	213	0.00	98.61
37.75-37.95	0	213	0.00	98.61
37.55-37.75	0	213	0.00	98.61
37.35-37.55	0	213	0.00	98.61
37.15-37.35	1	213	.46	98.61
36.95-37.15	1	212	.46	98.15
36.75-36.95	0	211	0.00	97.69
36.55-36.75	0	211	0.00	97.69
36.35-36.55	2	211	.93	97.69
36.15-36.35	1	209	.46	96.76
35.95-36.15	7	208	3.24	96.30
35.75-35.95	2	201	.93	93.06
35.55-35.75	5	159	2.31	92.13
35.35-35.55	6	194	2.78	89.81
35.15-35.35	5	188	2.31	87.54
34.95-35.15	8	193	3.70	84.72
34.75-34.95	8	175	3.70	81.02
34.55-34.75	9	167	4.17	77.31
34.35-34.55	15	158	6.94	73.15
34.15-34.35	8	153	3.70	66.80
33.95-34.15	12	135	5.55	62.50
33.75-33.95	9	133	4.17	56.94
33.55-33.75	11	114	5.09	52.78
33.35-33.55	10	108	4.63	47.60
33.15-33.35	1	73	4.63	43.06
32.95-33.15	5	83	2.31	38.47
32.75-32.95	9	78	4.17	36.21
32.55-32.75	8	69	3.70	31.94
32.35-32.55	15	61	6.5	28.24
32.15-32.35	5	46	2.78	21.30
31.95-32.15	11	41	5.09	18.28
31.75-31.95	7	30	3.24	12.89
31.55-31.75	3	23	1.93	9.65
31.35-31.55	4	20	1.88	9.26
31.15-31.35	5	16	2.31	7.41
30.95-31.15	7	11	3.24	5.09
30.75-30.95	1	4	.46	1.85
30.55-30.75	1	3	.46	1.39
30.35-30.55	1	2	.46	.93
30.15-30.35	0	1	0.00	.46
29.95-30.15	0	1	0.00	.46
29.75-29.95	1	1	.46	.46

2M BITRAGON-CORNAL ARC

RANGES	FREQ	CUMF	FREQ	CUMFX
38.15-38.35	1	216	.46	103.60
37.95-38.15	0	215	0.00	99.54
37.75-37.95	0	215	0.00	99.54
37.55-37.75	0	215	0.00	99.54
37.35-37.55	0	215	0.00	99.54
37.15-37.35	0	215	0.00	99.54
36.95-37.15	0	215	0.00	99.54
36.75-36.95	0	215	0.00	99.54
36.55-36.75	0	215	0.00	99.54
36.35-36.55	1	215	.46	99.54
36.15-36.35	2	214	.93	99.54
35.95-36.15	2	212	.93	93.15
35.75-35.95	0	210	0.00	97.22
35.55-35.75	0	210	0.00	97.22
35.35-35.55	0	210	2.78	97.22
35.15-35.35	0	204	1.85	94.44
34.95-35.15	7	211	3.24	92.59
34.75-34.95	3	193	1.39	89.35
34.55-34.75	0	190	0.00	87.96
34.35-34.55	11	190	5.09	87.96
34.15-34.35	9	179	4.17	82.87
33.95-34.15	16	170	7.41	78.70
33.75-33.95	0	154	1.45	71.39
33.55-33.75	16	150	4.63	69.44
33.35-33.55	18	140	8.33	64.81
33.15-33.35	25	122	11.57	56.48
32.95-33.15	15	97	6.94	44.51
32.75-32.95	5	82	2.31	37.96
32.55-32.75	9	77	4.17	35.65
32.35-32.55	15	68	6.94	31.48
32.15-32.35	7	53	3.24	24.54
31.95-32.15	12	46	5.55	21.30
31.75-31.95	4	34	1.85	15.74
31.55-31.75	4	30	1.85	13.89
31.35-31.55	9	26	4.17	12.64
31.15-31.35	11	17	5.09	7.27
30.95-31.15	3	6	1.39	2.78
30.75-30.95	0	3	0.00	1.39
30.55-30.75	0	3	0.00	1.39
30.35-30.55	1	3	.46	1.39
30.15-30.35	2	2	.93	.53

FREQUENCY TABLES FOR HEAD AND FACE SUBSERIES

3M BITRACIGN-FRONTAL ARC

RANGES	FRQ	CUMF	FRQ%	CUMF%
31.15- 31.35	2	216	.93	100.00
30.95- 31.15	1	214	.46	99.07
30.75- 30.95	0	213	0.00	98.61
30.55- 30.75	1	213	.46	98.61
30.35- 30.55	2	212	.93	98.15
30.15- 30.35	3	210	1.39	97.22
29.95- 30.15	4	207	1.85	95.83
29.75- 29.95	5	203	2.31	93.98
29.55- 29.75	11	198	5.09	91.67
29.35- 29.55	13	187	6.02	86.57
29.15- 29.35	11	174	5.09	80.56
28.95- 29.15	13	163	6.02	75.46
28.75- 28.95	11	150	5.09	69.44
28.55- 28.75	14	139	6.46	64.35
28.35- 28.55	20	125	9.26	57.87
28.15- 28.35	16	105	7.41	48.61
27.95- 28.15	16	89	7.41	41.20
27.75- 27.95	11	73	5.09	33.80
27.55- 27.75	12	62	5.56	28.70
27.35- 27.55	20	50	9.26	23.15
27.15- 27.35	12	30	5.56	13.69
26.95- 27.15	2	18	.93	8.33
26.75- 26.95	5	16	2.31	7.41
26.55- 26.75	1	11	.46	5.09
26.35- 26.55	4	10	1.85	4.63
26.15- 26.35	3	6	1.39	2.78
25.95- 26.15	2	3	.93	1.39
25.75- 25.95	0	1	0.00	.46
25.55- 25.75	1	1	.46	.46

4M BITRACIGN-MENTON ARC

RANGES	FRQ	CUMF	FRQ%	CUMF%
33.35- 33.55	1	216	.46	100.00
33.15- 33.35	0	215	0.00	99.54
32.95- 33.15	0	215	0.00	99.54
32.75- 32.95	1	215	.46	99.54
32.55- 32.75	1	214	.46	99.07
32.35- 32.55	1	213	.46	98.61
32.15- 32.35	1	212	.46	98.15
31.95- 32.15	3	211	1.39	97.69
31.75- 31.95	1	208	.46	96.70
31.55- 31.75	3	207	1.39	95.83
31.35- 31.55	2	204	.93	94.44
31.15- 31.35	3	202	1.39	93.52
30.95- 31.15	6	199	2.78	92.13
30.75- 30.95	6	193	2.78	89.35
30.55- 30.75	11	187	5.09	86.57
30.35- 30.55	8	176	3.70	81.48
30.15- 30.35	10	168	4.63	77.78
29.95- 30.15	10	158	4.63	73.15
29.75- 29.95	9	148	4.17	68.52
29.55- 29.75	14	139	6.46	64.35
29.35- 29.55	18	125	8.33	57.87
29.15- 29.35	16	107	4.63	49.54
28.95- 29.15	18	97	8.33	44.91
28.75- 28.95	7	79	3.24	36.57
28.55- 28.75	14	72	6.46	33.33
28.35- 28.55	11	58	5.09	26.85
28.15- 28.35	11	47	5.09	21.76
27.95- 28.15	9	36	4.17	16.67
27.75- 27.95	4	27	1.85	12.50
27.55- 27.75	5	23	2.31	10.65
27.35- 27.55	6	18	2.78	8.33
27.15- 27.35	3	12	1.39	5.56
26.95- 27.15	2	9	.93	4.17
26.75- 26.95	3	7	1.39	3.24
26.55- 26.75	1	4	.46	1.85
26.35- 26.55	0	3	0.00	1.39
26.15- 26.35	2	3	.93	1.39
25.95- 26.15	0	1	0.00	.46
25.75- 25.95	1	1	.46	.46

FREQUENCY TABLES FOR HEAD AND FACE SUBSERIES

5H BITRAGON-SUBMANDIBULAR ARC

RANGES	FRQ	CLPF	FRQX	CUMFX
30.35- 30.55	2	216	.93	100.00
30.15- 30.35	0	214	0.00	99.07
29.95- 30.15	0	214	0.00	99.07
29.75- 29.95	0	214	0.00	99.07
29.55- 29.75	0	214	0.00	99.07
29.35- 29.55	1	214	.46	99.07
29.15- 29.35	4	213	1.85	98.61
28.95- 29.15	3	209	1.39	96.76
28.75- 28.95	1	206	.46	95.37
28.55- 28.75	4	205	1.85	94.91
28.35- 28.55	8	201	3.70	93.06
28.15- 28.35	2	193	.93	89.35
27.95- 28.15	8	191	3.70	88.43
27.75- 27.95	7	183	3.24	84.72
27.55- 27.75	10	176	4.67	81.48
27.35- 27.55	9	166	4.17	76.85
27.15- 27.35	7	157	3.24	72.69
26.95- 27.15	10	150	4.63	69.44
26.75- 26.95	9	140	4.17	64.81
26.55- 26.75	11	131	5.09	60.65
26.35- 26.55	11	120	5.09	55.56
26.15- 26.35	16	109	7.41	50.46
25.95- 26.15	12	93	5.56	43.06
25.75- 25.95	14	81	6.48	37.50
25.55- 25.75	7	67	2.24	31.02
25.35- 25.55	17	60	7.67	27.78
25.15- 25.35	8	43	3.70	19.91
24.95- 25.15	12	35	5.56	16.20
24.75- 24.95	8	23	3.70	10.65
24.55- 24.75	4	15	1.85	6.94
24.35- 24.55	4	11	1.85	5.09
24.15- 24.35	1	7	.46	3.24
23.95- 24.15	0	6	0.00	2.78
23.75- 23.95	1	6	.46	2.78
23.55- 23.75	3	5	1.39	2.31
23.35- 23.55	1	2	.46	.93
23.15- 23.35	1	1	.46	.46

6H GLABELLA TO WALL

RANGES	FRQ	CUMF	FRQX	CUMFX
22.75- 22.95	1	216	.46	100.00
22.55- 22.75	0	215	0.00	99.54
22.35- 22.55	1	215	.46	99.54
22.15- 22.35	0	214	0.00	99.07
21.95- 22.15	1	214	.46	98.61
21.75- 21.95	2	213	.93	98.61
21.55- 21.75	1	211	.46	97.69
21.35- 21.55	1	210	.46	97.22
21.15- 21.35	3	209	1.39	96.76
20.95- 21.15	1	206	.46	95.37
20.75- 20.95	4	205	1.85	94.91
20.55- 20.75	4	201	1.85	93.06
20.35- 20.55	8	197	3.70	91.20
20.15- 20.35	8	189	3.70	87.50
19.95- 20.15	16	181	7.41	83.60
19.75- 19.95	9	165	4.17	76.39
19.55- 19.75	10	156	4.63	72.22
19.35- 19.55	13	146	6.02	67.59
19.15- 19.35	19	132	8.80	61.57
18.95- 19.15	25	114	11.57	52.78
18.75- 18.95	20	89	9.26	41.20
18.55- 18.75	21	69	9.72	31.54
18.35- 18.55	15	48	6.94	22.22
18.15- 18.35	14	33	6.48	15.28
17.95- 18.15	8	19	3.70	8.80
17.75- 17.95	1	11	.46	5.09
17.55- 17.75	3	10	1.39	4.63
17.35- 17.55	4	7	1.85	3.24
17.15- 17.35	1	3	.46	1.39
16.95- 17.15	1	2	.46	.93
16.75- 16.95	0	1	0.00	.46
16.55- 16.75	0	1	0.00	.46
16.35- 16.55	1	1	.46	.46

FREQUENCY TABLES FOR HEAD AND FACE SUBSERIES

7H SELICK TO WALL

RANGES	FREQ	CLMF	FRCZ	CUMFX
23.75- 23.95	1	216	.46	100.00
23.55- 23.75	0	215	0.00	99.54
23.35- 23.55	0	215	0.00	99.54
23.15- 23.35	1	215	.46	99.54
22.95- 23.15	0	214	0.00	99.07
22.75- 22.95	2	214	.93	99.07
22.55- 22.75	1	212	.46	98.15
22.35- 22.55	2	211	.93	97.69
22.15- 22.35	0	209	0.00	96.76
21.95- 22.15	1	209	.46	96.76
21.75- 21.95	6	208	2.76	96.30
21.55- 21.75	2	202	.93	93.52
21.35- 21.55	6	200	2.78	92.59
21.15- 21.35	9	194	4.17	89.81
20.95- 21.15	11	185	5.09	85.65
20.75- 20.95	10	174	4.63	80.56
20.55- 20.75	11	164	5.09	75.93
20.35- 20.55	12	153	5.56	70.83
20.15- 20.35	18	141	8.33	65.28
19.95- 20.15	24	123	11.11	56.94
19.75- 19.95	25	99	11.57	45.83
19.55- 19.75	14	74	6.48	34.26
19.35- 19.55	21	60	9.72	27.78
19.15- 19.35	14	39	6.48	18.06
18.95- 19.15	14	25	6.48	11.57
18.75- 18.95	1	11	.46	5.09
18.55- 18.75	3	10	1.39	4.63
18.35- 18.55	4	7	1.85	3.24
18.15- 18.35	0	3	0.00	1.39
17.95- 18.15	2	3	.93	1.39
17.75- 17.95	0	1	0.00	.46
17.55- 17.75	1	1	.46	.46

8H PRONASALE TO WALL

RANGES	FREQ	CUMF	FRCZ	CUMFX
24.95- 25.15	1	216	.46	100.00
24.75- 24.95	1	215	.46	99.54
24.55- 24.75	0	214	0.00	99.07
24.35- 24.55	0	214	0.00	99.07
24.15- 24.35	0	214	0.00	99.07
23.95- 24.15	2	214	.93	99.07
23.75- 23.95	2	212	.93	98.15
23.55- 23.75	0	210	0.00	97.22
23.35- 23.55	1	210	.46	97.22
23.15- 23.35	6	209	2.78	96.76
22.95- 23.15	2	203	.91	93.98
22.75- 22.95	7	201	3.24	93.06
22.55- 22.75	7	194	3.24	89.81
22.35- 22.55	10	187	4.63	86.57
22.15- 22.35	15	177	4.63	81.94
21.95- 22.15	12	167	5.56	77.31
21.75- 21.95	18	155	8.33	71.76
21.55- 21.75	14	137	6.48	63.43
21.35- 21.55	22	123	10.19	56.94
21.15- 21.35	17	101	7.87	46.76
20.95- 21.15	23	84	10.65	36.89
20.75- 20.95	16	61	7.41	28.24
20.55- 20.75	11	45	5.09	20.83
20.35- 20.55	13	34	6.02	15.74
20.15- 20.35	8	21	3.70	9.72
19.95- 20.15	4	13	1.85	6.02
19.75- 19.95	5	9	2.31	4.17
19.55- 19.75	1	4	.46	1.85
19.35- 19.55	1	3	.46	1.39
19.15- 19.35	1	2	.46	.93
18.95- 19.15	0	1	0.00	.46
18.75- 18.95	1	1	.46	.46

FREQUENCY TABLES FOR HEAD AND FACE SUBSERIES

10M LIP PROTRUSION TO WALL

SP SLENASALE TC WALL

RANGES	FRQ	CUMF	FRQZ	CUMFZ	RANGES	FRQ	CUMF	FRQZ	CUMFZ
23.55- 23.75	2	216	.93	100.00	24.15- 24.35	1	216	.46	100.00
23.35- 23.55	0	214	0.00	99.67	23.95- 24.15	0	215	0.00	99.54
23.15- 23.35	0	214	0.00	99.67	23.75- 23.95	1	215	.46	99.54
22.95- 23.15	0	214	0.00	99.67	23.55- 23.75	1	214	.46	99.67
22.75- 22.95	1	214	.46	99.07	23.35- 23.55	1	213	.46	98.61
22.55- 22.75	1	213	.46	98.61	23.15- 23.35	0	212	0.00	98.15
22.35- 22.55	2	212	.93	98.15	22.95- 23.15	1	212	.46	98.15
22.15- 22.35	2	210	.93	97.22	22.75- 22.95	0	211	0.00	97.69
21.95- 22.15	2	208	.93	96.30	22.55- 22.75	1	211	.46	97.69
21.75- 21.95	4	206	1.85	95.37	22.35- 22.55	1	210	.46	97.22
21.55- 21.75	2	202	.93	93.52	22.15- 22.35	5	209	2.31	96.76
21.35- 21.55	7	200	3.24	92.59	21.95- 22.15	5	204	2.31	94.44
21.15- 21.35	9	193	4.17	89.35	21.75- 21.95	4	199	1.85	92.13
20.95- 21.15	8	184	3.70	85.19	21.55- 21.75	4	195	1.85	90.28
20.75- 20.95	8	176	3.70	81.46	21.35- 21.55	7	191	3.24	88.43
20.55- 20.75	17	168	7.87	77.78	21.15- 21.35	5	184	2.31	85.19
20.35- 20.55	12	151	5.58	69.91	20.95- 21.15	9	179	4.17	82.87
20.15- 20.35	14	139	6.48	64.35	20.75- 20.95	6	170	2.78	78.70
19.95- 20.15	18	125	8.33	57.87	20.55- 20.75	13	164	6.02	75.93
19.75- 19.95	25	107	11.57	49.54	20.35- 20.55	11	151	5.09	69.91
19.55- 19.75	19	82	8.80	37.96	20.15- 20.35	16	140	7.41	64.81
19.35- 19.55	14	03	6.48	29.17	19.95- 20.15	17	124	7.37	57.41
19.15- 19.35	18	49	8.33	22.69	19.75- 19.95	21	107	9.72	45.94
18.95- 19.15	13	31	6.02	14.35	19.55- 19.75	9	86	4.17	39.81
18.75- 18.95	4	18	1.85	8.33	19.35- 19.55	19	77	8.80	35.65
18.55- 18.75	3	14	1.39	6.48	19.15- 19.35	11	58	5.09	26.85
18.35- 18.55	6	11	2.78	5.09	18.95- 19.15	18	47	8.33	21.76
18.15- 18.35	2	5	.93	2.31	18.75- 18.95	8	29	3.70	13.43
17.95- 18.15	7	3	.93	1.39	18.55- 18.75	9	21	4.17	9.72
17.75- 17.95	0	1	0.00	.46	18.35- 18.55	6	12	2.78	5.09
17.55- 17.75	0	1	0.00	.46	18.15- 18.35	1	6	.46	2.78
17.35- 17.55	1	1	.46	.46	17.95- 18.15	3	5	1.39	2.31
					17.75- 17.95	1	2	.46	.93
					17.55- 17.75	0	1	0.00	.46
					17.35- 17.55	1	1	.46	.46

FREQUENCY TABLES FOR HEAD AND FACE SURFACES

11H MENTON TO WALL

RANGES	FREQ	CUMF	FREQ	CUMFX
22.75- 22.95	1	216	.46	100.00
22.55- 22.75	1	215	.46	99.54
22.35- 22.55	1	214	.46	99.07
22.15- 22.35	0	213	0.00	98.61
21.95- 22.15	2	213	.93	98.61
21.75- 21.95	1	211	.46	97.69
21.55- 21.75	1	210	.46	97.22
21.35- 21.55	5	209	2.31	96.76
21.15- 21.35	2	204	.93	94.44
20.95- 21.15	9	202	4.17	93.52
20.75- 20.95	5	193	2.31	89.35
20.55- 20.75	6	188	2.78	87.04
20.35- 20.55	12	182	5.56	84.26
20.15- 20.35	13	170	6.02	78.70
19.95- 20.15	8	157	3.70	72.69
19.75- 19.95	16	149	7.41	68.98
19.55- 19.75	11	133	5.09	61.57
19.35- 19.55	17	122	7.87	56.48
19.15- 19.35	21	105	9.72	48.61
18.95- 19.15	12	84	5.56	38.89
18.75- 18.95	12	72	5.56	33.33
18.55- 18.75	9	60	4.17	27.70
18.35- 18.55	17	51	7.87	23.61
18.15- 18.35	12	34	5.56	15.74
17.95- 18.15	13	22	4.63	10.19
17.75- 17.95	6	12	2.78	5.56
17.55- 17.75	1	6	.46	2.78
17.35- 17.55	1	5	.46	2.31
17.15- 17.35	1	4	.46	1.85
16.95- 17.15	3	3	1.35	1.39

12H ECTOCANTHUS TO WALL

RANGES	FREQ	CUMF	FREQ	CUMFX
20.75- 20.95	1	216	.46	100.00
20.55- 20.75	0	215	0.00	99.54
20.35- 20.55	0	215	0.00	99.54
20.15- 20.35	0	215	0.00	99.54
19.95- 20.15	3	215	1.39	99.54
19.75- 19.95	0	212	0.00	98.15
19.55- 19.75	0	212	0.00	98.15
19.35- 19.55	2	212	.93	98.15
19.15- 19.35	0	210	0.00	97.22
18.95- 19.15	1	210	.46	97.22
18.75- 18.95	5	209	2.31	96.76
18.55- 18.75	3	204	1.39	94.44
18.35- 18.55	6	201	2.78	93.52
18.15- 18.35	10	195	4.63	90.28
17.95- 18.15	10	185	4.63	85.65
17.75- 17.95	15	175	6.94	81.02
17.55- 17.75	8	160	3.70	74.07
17.35- 17.55	17	152	7.87	70.37
17.15- 17.35	18	135	8.33	62.56
16.95- 17.15	14	117	6.48	54.17
16.75- 16.95	21	103	9.72	47.69
16.55- 16.75	28	82	12.96	37.66
16.35- 16.55	16	54	7.41	25.00
16.15- 16.35	15	38	8.80	17.59
15.95- 16.15	6	19	2.78	8.80
15.75- 15.95	4	13	1.85	6.02
15.55- 15.75	3	9	1.39	4.17
15.35- 15.55	4	6	1.85	2.73
15.15- 15.35	0	2	0.00	.93
14.95- 15.15	1	2	.46	.93
14.75- 14.95	1	1	.46	.46

FREQUENCY TABLES FOR HEAD AND FACE SUBSERIES

13H TAFAGION TC WALL

RANGES	FRQ	CL/F	FRQX	CUMFX
13.35- 13.55	1	216	.46	100.00
13.15- 13.35	1	215	.46	99.54
12.95- 13.15	0	214	0.00	99.07
12.75- 12.95	2	214	.93	99.07
12.55- 12.75	0	212	0.00	98.15
12.35- 12.55	0	212	0.00	98.15
12.15- 12.35	2	212	.93	98.15
11.95- 12.15	1	211	.46	97.22
11.75- 11.95	2	209	.93	96.76
11.55- 11.75	1	207	.46	95.83
11.35- 11.55	7	206	3.24	95.37
11.15- 11.35	11	199	5.09	92.13
10.95- 11.15	13	188	6.92	87.04
10.75- 10.95	5	175	2.31	81.02
10.55- 10.75	8	170	3.70	78.70
10.35- 10.55	13	162	6.92	75.00
10.15- 10.35	18	149	8.33	68.98
9.95- 10.15	19	131	8.81	60.65
9.75- 9.95	24	112	11.11	51.85
9.55- 9.75	21	88	5.72	40.74
9.35- 9.55	12	67	5.56	31.02
9.15- 9.35	26	55	12.04	25.46
8.95- 9.15	16	29	7.41	13.43
8.75- 8.95	5	13	2.31	6.02
8.55- 8.75	6	8	2.78	3.70
8.35- 8.55	2	2	.93	.93

14H EITFAGION BREACTH

RANGES	FRQ	CUMF	FRQX	CUMFX
14.55- 14.65	1	216	.46	100.00
14.45- 14.55	0	215	0.00	99.54
14.35- 14.45	0	215	0.00	99.54
14.25- 14.35	0	215	0.00	99.54
14.15- 14.25	2	215	.93	99.54
14.05- 14.15	2	213	.93	98.61
13.95- 14.05	2	211	.93	97.69
13.85- 13.95	3	209	1.39	96.76
13.75- 13.85	6	206	2.78	95.37
13.65- 13.75	6	205	2.78	92.59
13.55- 13.65	8	194	3.70	89.81
13.45- 13.55	12	186	5.56	86.11
13.35- 13.45	13	174	6.02	80.56
13.25- 13.35	7	161	3.24	74.54
13.15- 13.25	14	154	6.48	71.30
13.05- 13.15	21	140	9.72	64.81
12.95- 13.05	17	119	7.87	55.99
12.85- 12.95	18	112	8.33	47.22
12.75- 12.85	11	84	5.09	38.89
12.65- 12.75	12	73	5.56	33.80
12.55- 12.65	16	61	7.41	28.24
12.45- 12.55	15	45	6.94	20.33
12.35- 12.45	8	30	3.70	13.89
12.25- 12.35	4	22	1.85	10.19
12.15- 12.25	5	18	2.31	8.13
12.05- 12.15	4	13	1.85	6.02
11.95- 12.05	2	9	.93	4.17
11.85- 11.95	2	7	.93	3.24
11.75- 11.85	0	5	0.00	2.31
11.65- 11.75	2	5	.93	2.31
11.55- 11.65	2	3	.93	1.39
11.45- 11.55	1	1	.46	.46

FREQUENCY TABLES FOR HEAD AND FACE SUBSERIES

15M HEAD HEIGHT (TRAGION-VRTX)

RANGES	FRQ	CUMF	FRQX	CUMFX
15.55- 15.65	1	216	.46	100.00
15.45- 15.55	0	215	0.00	99.54
15.35- 15.45	0	215	0.00	99.54
15.25- 15.35	0	215	0.00	99.54
15.15- 15.25	0	215	0.00	99.54
15.05- 15.15	0	215	0.00	99.54
14.95- 15.05	1	215	.46	99.54
14.85- 14.95	0	214	0.00	99.07
14.75- 14.85	1	214	.46	99.07
14.65- 14.75	1	213	.46	98.61
14.55- 14.65	0	212	0.00	98.15
14.45- 14.55	2	212	.93	98.15
14.35- 14.45	1	210	.46	97.22
14.25- 14.35	6	209	2.76	96.76
14.15- 14.25	2	203	.93	93.98
14.05- 14.15	4	201	1.85	93.06
13.95- 14.05	5	197	2.31	91.20
13.85- 13.95	8	192	3.70	88.89
13.75- 13.85	14	184	6.40	85.19
13.65- 13.75	8	171	3.70	78.70
13.55- 13.65	8	162	3.70	75.00
13.45- 13.55	20	154	9.26	71.30
13.35- 13.45	6	134	2.76	62.04
13.25- 13.35	14	128	6.40	59.26
13.15- 13.25	0	114	3.70	52.78
13.05- 13.15	10	106	4.63	49.07
12.95- 13.05	21	96	9.72	44.44
12.85- 12.95	9	75	4.17	34.72
12.75- 12.85	11	66	5.09	30.56
12.65- 12.75	11	55	5.09	25.46
12.55- 12.65	11	44	5.09	20.37
12.45- 12.55	1	33	.46	15.28
12.35- 12.45	7	32	3.24	14.81
12.25- 12.35	5	25	2.31	11.57
12.15- 12.25	7	20	3.24	9.26
12.05- 12.15	5	13	2.31	6.92
11.95- 12.05	4	8	1.85	3.70
11.85- 11.95	1	4	.46	1.85
11.75- 11.85	0	3	0.00	1.39
11.65- 11.75	2	3	.93	1.39
11.55- 11.65	0	1	0.00	.46
11.45- 11.55	0	1	0.00	.46
11.35- 11.45	0	1	0.00	.46
11.25- 11.35	0	1	0.00	.46
11.15- 11.25	1	1	.46	.46

16M ECTOCANTHUS TO VERTEX

RANGES	FRQ	CUMF	FRQX	CUMFX
15.95- 16.15	1	216	.46	100.00
15.75- 15.95	0	215	0.00	99.54
15.55- 15.75	0	215	0.00	99.54
15.35- 15.55	0	215	0.00	99.54
15.15- 15.35	0	215	0.00	99.54
14.95- 15.15	0	215	0.00	99.54
14.75- 14.95	0	215	0.00	99.54
14.55- 14.75	0	215	0.00	99.54
14.35- 14.55	0	215	0.00	99.54
14.15- 14.35	0	215	0.00	99.54
13.95- 14.15	0	215	0.00	99.54
13.75- 13.95	1	215	.46	99.54
13.55- 13.75	3	214	1.39	99.07
13.35- 13.55	4	211	1.85	97.69
13.15- 13.35	11	207	5.09	95.83
12.95- 13.15	13	196	6.02	92.74
12.75- 12.95	14	183	6.40	84.72
12.55- 12.75	19	169	9.80	78.24
12.35- 12.55	20	150	9.26	69.44
12.15- 12.35	21	130	9.72	62.19
11.95- 12.15	19	109	8.82	50.46
11.75- 11.95	18	90	8.33	41.67
11.55- 11.75	20	72	9.26	33.33
11.35- 11.55	19	52	9.80	24.07
11.15- 11.35	13	33	6.02	15.28
10.95- 11.15	8	25	3.70	9.26
10.75- 10.95	4	12	1.85	5.09
10.55- 10.75	3	8	1.39	3.70
10.35- 10.55	1	5	.46	2.31
10.15- 10.35	3	4	1.39	1.85
9.95- 10.15	0	1	0.00	.46
9.75- 9.95	1	1	.46	.46

FREQUENCY TABLES FOR HEAD AND FACE SUBSERIES

17+ GLABELLA TO VERTEX

RANGES	FREQ	CUMF	FROZ	CUMFX
12.55- 12.75	1	216	.46	100.00
12.35- 12.55	0	215	0.00	99.54
12.15- 12.35	0	215	0.00	99.54
11.95- 12.15	0	215	0.00	99.54
11.75- 11.95	0	215	0.00	99.54
11.55- 11.75	0	215	0.00	99.54
11.35- 11.55	0	215	0.00	99.54
11.15- 11.35	0	215	0.00	99.54
10.95- 11.15	1	215	.46	99.54
10.75- 10.95	0	214	0.00	99.07
10.55- 10.75	0	214	0.00	99.07
10.35- 10.55	2	214	.93	99.07
10.15- 10.35	2	212	.53	98.15
9.95- 10.15	3	210	1.39	97.22
9.75- 9.95	5	207	2.31	95.83
9.55- 9.75	2	202	.93	93.52
9.35- 9.55	14	200	6.46	92.59
9.15- 9.35	10	186	4.63	86.11
8.95- 9.15	12	176	5.56	81.48
8.75- 8.95	22	164	10.19	75.93
8.55- 8.75	25	162	11.57	69.74
8.35- 8.55	18	117	6.33	54.17
8.15- 8.35	17	99	7.67	45.83
7.95- 8.15	16	82	8.33	37.96
7.75- 7.95	16	64	7.41	29.63
7.55- 7.75	9	48	4.17	22.22
7.35- 7.55	20	39	5.26	18.36
7.15- 7.35	8	19	3.76	6.80
6.95- 7.15	5	11	2.31	5.09
6.75- 6.95	3	6	1.39	2.78
6.55- 6.75	2	3	.93	1.39
6.35- 6.55	1	1	.46	.46

18M SELLETON TO VERTEX

RANGES	FREQ	CUMF	FROZ	CUMFX
14.35- 14.55	1	216	.46	100.00
14.15- 14.35	0	215	0.00	99.54
13.95- 14.15	0	215	0.00	99.54
13.75- 13.95	0	215	0.00	99.54
13.55- 13.75	0	215	0.00	99.54
13.35- 13.55	0	215	0.00	99.54
13.15- 13.35	0	215	0.00	99.54
12.95- 13.15	1	215	0.00	99.54
12.75- 12.95	0	215	0.00	99.54
12.55- 12.75	0	215	0.00	99.54
12.35- 12.55	0	215	0.00	99.54
12.15- 12.35	1	215	.46	99.54
11.95- 12.15	1	214	.46	99.07
11.75- 11.95	1	213	.46	98.61
11.55- 11.75	6	212	2.78	98.15
11.35- 11.55	6	206	2.73	95.37
11.15- 11.35	4	200	1.85	92.59
10.95- 11.15	15	196	6.94	91.74
10.75- 10.95	17	181	7.87	87.89
10.55- 10.75	12	164	5.56	75.93
10.35- 10.55	23	152	13.65	70.37
10.15- 10.35	12	129	5.56	59.72
9.95- 10.15	21	117	9.72	54.17
9.75- 9.95	16	96	7.41	44.44
9.55- 9.75	16	80	7.41	37.04
9.35- 9.55	14	64	6.46	29.63
9.15- 9.35	13	50	6.32	23.15
8.95- 9.15	11	37	5.09	17.13
8.75- 8.95	13	26	6.02	12.64
8.55- 8.75	3	13	1.39	6.80
8.35- 8.55	5	11	2.31	4.63
8.15- 8.35	1	5	.46	2.31
7.95- 8.15	2	4	.93	1.85
7.75- 7.95	0	2	0.00	.93
7.55- 7.75	1	2	.46	.93
7.35- 7.55	1	1	.46	.46

FREQUENCY TABLES FOR HFAD AND FACE SUBSERIES

15M FROM SALE TO VERTEX

RANGES	FRO	CLMF	FRQX	CUMFX
17.55-18.15	1	216	.46	100.00
17.75-17.95	0	215	0.00	99.54
17.55-17.75	0	215	0.00	99.54
17.35-17.55	0	215	0.00	99.54
17.15-17.35	0	215	0.00	99.54
16.95-17.15	0	215	0.00	99.54
16.75-16.95	0	215	0.00	99.54
16.55-16.75	0	215	0.00	99.54
16.35-16.55	0	215	0.00	99.54
16.15-16.35	0	215	0.00	99.54
15.95-16.15	0	215	0.00	99.54
15.75-15.95	1	215	.46	99.54
15.55-15.75	1	214	.46	99.07
15.35-15.55	3	213	1.39	98.61
15.15-15.35	2	210	3.70	97.22
14.95-15.15	1	202	.46	93.52
14.75-14.95	11	201	5.09	93.06
14.55-14.75	9	190	4.17	87.96
14.35-14.55	8	181	3.70	83.80
14.15-14.35	13	173	6.02	80.09
13.95-14.15	17	160	7.87	74.67
13.75-13.95	13	143	6.02	66.20
13.55-13.75	20	130	9.26	60.19
13.35-13.55	24	110	11.11	50.93
13.15-13.35	14	86	6.46	35.81
12.95-13.15	23	72	9.26	33.33
12.75-12.95	7	52	3.24	24.07
12.55-12.75	5	45	4.17	20.83
12.35-12.55	12	36	5.56	16.67
12.15-12.35	5	24	2.31	11.11
11.95-12.15	5	19	2.31	8.80
11.75-11.95	7	14	3.24	6.46
11.55-11.75	3	7	1.39	3.24
11.35-11.55	3	4	1.39	1.85
11.15-11.35	0	1	0.00	.46
10.95-11.15	1	1	.46	.46

20M SUBSALE TO VERTEX

RANGES	FRO	CUMF	FRQX	CUMFX
19.35-19.55	1	216	.46	100.00
19.15-19.35	0	215	0.00	99.54
18.95-19.15	0	215	0.00	99.54
18.75-18.95	0	215	0.00	99.54
18.55-18.75	0	215	0.00	99.54
18.35-18.55	0	215	0.00	99.54
18.15-18.35	0	215	0.00	99.54
17.95-18.15	0	215	0.00	99.54
17.75-17.95	0	215	0.00	99.54
17.55-17.75	0	215	0.00	99.54
17.35-17.55	0	215	0.00	99.54
17.15-17.35	0	215	0.00	99.54
16.95-17.15	0	215	0.00	99.54
16.75-16.95	3	215	1.39	99.54
16.55-16.75	2	212	.93	98.15
16.35-16.55	7	210	3.24	97.22
16.15-16.35	6	203	2.78	93.38
15.95-16.15	7	197	3.24	91.20
15.75-15.95	5	190	2.31	87.96
15.55-15.75	10	185	4.63	85.55
15.35-15.55	13	175	6.02	81.02
15.15-15.35	16	162	8.33	75.00
14.95-15.15	17	144	7.57	66.67
14.75-14.95	22	127	10.19	58.80
14.55-14.75	18	105	8.33	48.61
14.35-14.55	15	87	8.80	40.23
14.15-14.35	15	68	6.94	31.48
13.95-14.15	15	53	8.80	24.54
13.75-13.95	10	34	4.63	15.74
13.55-13.75	4	24	1.85	11.11
13.35-13.55	7	20	3.24	9.26
13.15-13.35	7	13	3.24	6.02
12.95-13.15	1	6	.46	2.73
12.75-12.95	2	5	.93	2.21
12.55-12.75	2	3	.93	1.39
12.35-12.55	1	1	.46	.46

FREQUENCY TABLES FOR HEAD AND FACE SUBSERIES

21H STOMION TO VERTEX

RANGES	FREQ	CUMF	FREQ	CUMFX
21.75-21.55	1	216	.46	100.00
21.55-21.75	0	215	0.00	99.54
21.35-21.55	0	215	0.00	99.54
21.15-21.35	0	215	0.00	99.54
20.95-21.15	0	215	0.00	99.54
20.75-20.95	0	215	0.00	99.54
20.55-20.75	0	215	0.00	99.54
20.35-20.55	0	215	0.00	99.54
20.15-20.35	0	215	0.00	99.54
19.95-20.15	0	215	0.00	99.54
19.75-19.95	0	215	0.00	99.54
19.55-19.75	0	215	0.00	99.54
19.35-19.55	0	215	0.00	99.54
19.15-19.35	2	215	.93	99.54
18.95-19.15	0	213	0.00	98.61
18.75-18.95	1	213	.46	98.61
18.55-18.75	2	212	.93	98.15
18.35-18.55	6	210	2.76	97.22
18.15-18.35	8	204	3.70	94.44
17.95-18.15	6	196	2.76	90.74
17.75-17.95	12	190	5.56	87.96
17.55-17.75	13	178	6.02	82.41
17.35-17.55	12	165	5.56	76.39
17.15-17.35	21	153	5.72	70.83
16.95-17.15	13	132	6.02	61.11
16.75-16.95	17	119	7.87	55.09
16.55-16.75	13	132	6.02	47.22
16.35-16.55	16	89	7.41	41.20
16.15-16.35	18	73	8.33	33.80
15.95-16.15	16	55	7.41	25.46
15.75-15.95	12	39	5.56	18.56
15.55-15.75	7	27	3.24	12.50
15.35-15.55	7	20	3.24	9.26
15.15-15.35	4	13	1.85	6.02
14.95-15.15	4	9	1.85	4.17
14.75-14.95	2	5	.93	2.31
14.55-14.75	2	3	.93	1.39
14.35-14.55	1	1	.46	.46

22H MENTON TO VERTEX

RANGES	FREQ	CUMF	FREQ	CUMFX
24.95-25.15	1	216	.46	100.00
24.75-24.95	0	215	0.00	99.54
24.55-24.75	0	215	0.00	99.54
24.35-24.55	0	215	0.00	99.54
24.15-24.35	0	215	0.00	99.54
23.95-24.15	0	215	0.00	99.54
23.75-23.95	1	215	.46	99.54
23.55-23.75	0	214	0.00	99.07
23.35-23.55	0	214	0.00	99.07
23.15-23.35	0	214	0.00	99.07
22.95-23.15	5	214	2.31	99.07
22.75-22.95	1	209	.46	96.76
22.55-22.75	3	208	1.39	96.30
22.35-22.55	3	205	1.39	94.91
22.15-22.35	6	202	3.70	93.52
21.95-22.15	6	196	2.76	90.74
21.75-21.95	17	190	7.87	87.96
21.55-21.75	13	173	6.02	80.99
21.35-21.55	5	161	2.31	74.97
21.15-21.35	21	155	9.72	71.76
20.95-21.15	21	134	9.72	62.04
20.75-20.95	14	113	6.48	52.31
20.55-20.75	16	99	7.41	45.63
20.35-20.55	17	83	7.87	38.43
20.15-20.35	15	66	6.94	30.56
19.95-20.15	15	51	6.94	23.61
19.75-19.95	9	36	4.17	16.67
19.55-19.75	5	27	2.31	12.50
19.35-19.55	6	22	2.78	10.19
19.15-19.35	7	16	3.24	7.41
18.95-19.15	5	9	2.31	4.17
18.75-18.95	1	4	.46	1.85
18.55-18.75	2	3	.93	1.39
18.35-18.55	1	1	.46	.46

FREQUENCY TABLES FOR HEAD AND FACE SUBSERIES

23H FACE LENGTH (SELICK-MNTN)

RANGES	FRQ	CLMF	FRQX	CUMFX
12.25- 12.35	1	216	.46	143.80
12.15- 12.25	0	215	0.00	99.54
12.05- 12.15	1	215	.46	99.54
11.95- 12.05	3	214	1.39	99.07
11.85- 11.95	4	212	1.85	97.69
11.75- 11.85	3	207	1.39	95.63
11.65- 11.75	4	204	1.85	94.44
11.55- 11.65	2	200	.93	92.59
11.45- 11.55	7	198	3.24	91.67
11.35- 11.45	5	191	2.31	88.43
11.25- 11.35	6	186	2.78	86.11
11.15- 11.25	9	180	4.17	83.23
11.05- 11.15	13	171	6.02	79.17
10.95- 11.05	10	158	4.63	73.15
10.85- 10.95	3	148	1.70	68.52
10.75- 10.85	11	140	5.09	64.81
10.65- 10.75	18	129	8.33	59.72
10.55- 10.65	11	111	5.09	51.39
10.45- 10.55	17	101	7.87	46.30
10.35- 10.45	14	83	6.46	38.43
10.25- 10.35	14	69	6.48	31.94
10.15- 10.25	19	55	8.30	25.46
10.05- 10.15	17	36	7.87	16.67
9.95- 10.05	6	19	2.78	8.80
9.85- 9.95	4	13	1.85	6.02
9.75- 9.85	4	9	1.85	4.17
9.65- 9.75	3	5	0.81	2.31
9.55- 9.65	3	5	1.39	2.31
9.45- 9.55	2	2	.93	.93

24H CRINION-MENTON

RANGES	FRQ	CLMF	FRQX	CUMFX
20.15- 20.35	1	216	.46	100.00
19.95- 20.15	0	215	0.00	99.54
19.75- 19.95	0	215	0.00	99.54
19.55- 19.75	0	215	0.00	99.54
19.35- 19.55	3	215	1.39	99.54
19.15- 19.35	4	212	1.85	98.15
18.95- 19.15	4	208	1.85	96.30
18.75- 18.95	6	204	2.73	94.44
18.55- 18.75	4	192	1.85	91.67
18.35- 18.55	12	194	5.56	89.81
18.15- 18.35	17	182	7.87	84.26
17.95- 18.15	22	165	10.19	76.39
17.75- 17.95	23	143	10.65	65.20
17.55- 17.75	16	120	7.41	55.50
17.35- 17.55	17	104	7.87	48.15
17.15- 17.35	18	87	8.33	40.28
16.95- 17.15	24	69	11.11	31.94
16.75- 16.95	14	45	6.48	20.83
16.55- 16.75	6	31	3.73	14.25
16.35- 16.55	7	23	3.24	10.65
16.15- 16.35	5	16	2.31	7.41
15.95- 16.15	6	11	2.78	5.09
15.75- 15.95	2	5	.93	2.31
15.55- 15.75	2	3	.93	1.29
15.35- 15.55	0	1	0.00	.46
15.15- 15.35	1	1	.46	.46

FREQUENCY TABLES FOR HEAD AND FACE SUBSERIES

25M MINIMUM FRONTAL BREADTH

RANGES	FRO	CUMF	FROZ	CUMFZ
12.15- 12.25	1	216	.46	100.00
12.05- 12.15	0	215	0.00	99.54
11.95- 12.05	0	215	0.00	99.54
11.85- 11.95	2	215	.53	99.54
11.75- 11.85	0	213	0.00	98.61
11.65- 11.75	1	213	.46	98.61
11.55- 11.65	0	212	0.00	98.15
11.45- 11.55	3	212	1.39	98.15
11.35- 11.45	5	209	2.31	96.76
11.25- 11.35	3	204	1.39	94.44
11.15- 11.25	5	201	2.31	93.06
11.05- 11.15	14	196	6.40	90.74
10.95- 11.05	14	182	6.40	84.26
10.85- 10.95	14	168	6.40	77.78
10.75- 10.85	8	154	3.70	71.30
10.65- 10.75	18	146	8.33	67.59
10.55- 10.65	8	128	3.70	59.26
10.45- 10.55	22	120	10.15	55.56
10.35- 10.45	15	98	6.54	45.37
10.25- 10.35	18	83	8.33	38.43
10.15- 10.25	15	65	6.54	30.09
10.05- 10.15	5	50	2.31	23.15
9.95- 10.05	20	45	9.26	20.83
9.85- 9.95	6	25	2.78	11.57
9.75- 9.85	3	19	1.39	8.80
9.65- 9.75	9	16	4.17	7.41
9.55- 9.65	3	7	1.39	3.24
9.45- 9.55	2	4	.53	1.85
9.35- 9.45	1	2	.46	.93
9.25- 9.35	0	1	0.00	.46
9.15- 9.25	1	1	.46	.46

26M FACE BREADTH (BIZYGOMATIC)

RANGES	FRO	CUMF	FROZ	CUMFZ
14.45- 14.55	4	216	1.85	100.00
14.35- 14.45	2	212	.93	98.15
14.25- 14.35	1	210	0.00	97.22
14.15- 14.25	3	210	1.39	97.22
14.05- 14.15	2	207	.93	95.83
13.95- 14.05	2	205	.93	94.51
13.85- 13.95	0	203	0.00	93.98
13.75- 13.85	6	203	2.78	93.98
13.65- 13.75	16	197	7.41	91.20
13.55- 13.65	18	181	8.33	83.80
13.45- 13.55	30	163	13.89	75.46
13.35- 13.45	17	133	7.87	61.57
13.25- 13.35	11	116	5.09	53.70
13.15- 13.25	13	105	6.02	48.61
13.05- 13.15	14	92	6.45	42.59
12.95- 13.05	11	78	5.09	36.11
12.85- 12.95	13	67	6.02	31.02
12.75- 12.85	10	54	4.63	25.50
12.65- 12.75	9	44	4.17	20.37
12.55- 12.65	9	35	4.17	18.20
12.45- 12.55	3	26	3.70	12.04
12.35- 12.45	5	18	2.31	8.33
12.25- 12.35	5	13	2.31	6.02
12.15- 12.25	2	8	.93	3.70
12.05- 12.15	1	6	.46	2.78
11.95- 12.05	2	5	.93	2.31
11.85- 11.95	1	3	.46	1.39
11.75- 11.85	1	2	.46	.93
11.65- 11.75	0	1	0.00	.46
11.55- 11.65	1	1	.46	.46

FREQUENCY TABLES FOR HEAD AND FACE SUBSERIES

27H BIOCULAR BREACTH

RANGES	FREQ	CUMF	FROX	CUMFX
10.55- 11.05	1	216	.46	100.00
10.85- 10.95	0	215	0.00	99.54
10.75- 10.85	1	215	.46	99.54
10.65- 10.75	4	214	1.85	99.07
10.55- 10.65	1	210	.46	97.22
10.45- 10.55	4	209	1.85	96.76
10.35- 10.45	4	205	1.85	94.91
10.25- 10.35	5	201	2.31	93.06
10.15- 10.25	8	196	3.70	90.74
10.05- 10.15	15	188	8.80	87.04
9.95- 10.05	15	169	6.94	78.24
9.85- 9.95	10	154	4.63	71.30
9.75- 9.85	14	144	6.48	66.67
9.65- 9.75	12	130	5.96	60.19
9.55- 9.65	20	118	9.26	54.63
9.45- 9.55	14	98	6.48	45.37
9.35- 9.45	15	84	8.80	38.89
9.25- 9.35	9	65	4.17	30.09
9.15- 9.25	12	56	5.56	25.93
9.05- 9.15	14	44	6.48	20.37
8.95- 9.05	12	30	5.56	13.89
8.85- 8.95	7	18	3.24	8.33
8.75- 8.85	4	11	1.85	5.09
8.65- 8.75	4	7	1.85	3.24
8.55- 8.65	0	3	0.00	1.39
8.45- 8.55	2	3	.93	1.39
8.35- 8.45	0	1	0.00	.46
8.25- 8.35	0	1	0.00	.46
8.15- 8.25	1	1	.46	.46

28H INTERPUPILLARY DISTANCE

RANGES	FREQ	CUMF	FROX	CUMFX
6.95- 7.05	2	216	.93	100.00
6.85- 6.95	0	214	0.90	99.07
6.75- 6.85	2	214	.93	99.07
6.65- 6.75	3	212	1.39	98.15
6.55- 6.65	2	209	.93	96.76
6.45- 6.55	6	207	2.78	95.83
6.35- 6.45	7	201	3.24	93.06
6.25- 6.35	11	194	5.09	89.21
6.15- 6.25	13	183	6.02	84.72
6.05- 6.15	22	170	10.19	78.70
5.95- 6.05	17	148	7.87	68.52
5.85- 5.95	19	131	8.80	60.65
5.75- 5.85	19	112	8.80	51.85
5.65- 5.75	19	93	8.80	43.06
5.55- 5.65	14	74	6.48	34.26
5.45- 5.55	15	60	6.94	27.78
5.35- 5.45	9	45	4.17	23.83
5.25- 5.35	12	36	5.56	16.67
5.15- 5.25	12	24	5.56	11.11
5.05- 5.15	4	12	1.85	5.56
4.95- 5.05	2	8	.93	3.70
4.85- 4.95	4	6	1.85	2.78
4.75- 4.85	0	2	3.00	.93
4.65- 4.75	1	2	.46	.93
4.55- 4.65	1	1	0.00	.46
4.45- 4.55	1	1	.46	.46

FREQUENCY TABLES FOR HEAD AND FACE SUBSERIES

30H NCSE BREADTH

25H NCSE LENGTH

RANGES	FRC	CLMF	FRC%	CUMF%
5.55- 5.65	1	216	.46	100.00
5.45- 5.55	1	215	.46	99.54
5.35- 5.45	1	214	3.00	99.07
5.25- 5.35	3	214	1.39	99.07
5.15- 5.25	8	211	3.70	97.69
5.05- 5.15	7	207	3.24	93.98
4.95- 5.05	7	196	3.24	90.74
4.85- 4.95	16	189	7.41	87.50
4.75- 4.85	19	173	8.80	80.09
4.65- 4.75	21	154	9.72	71.30
4.55- 4.65	29	133	13.43	61.57
4.45- 4.55	29	124	13.43	48.15
4.35- 4.45	27	75	12.50	34.72
4.25- 4.35	15	48	6.94	22.22
4.15- 4.25	17	33	7.87	15.28
4.05- 4.15	9	16	4.17	7.41
3.95- 4.05	2	7	.93	3.24
3.85- 3.95	2	5	.93	2.31
3.75- 3.85	2	3	.93	1.39
3.65- 3.75	1	1	.46	.46

RANGES	FRC	CUMF	FRC%	CUMF%
4.65- 4.75	2	216	.93	100.00
4.55- 4.65	2	214	.93	99.07
4.45- 4.55	3	212	1.39	98.15
4.35- 4.45	1	209	.46	96.76
4.25- 4.35	8	208	3.70	96.30
4.15- 4.25	5	200	2.31	92.59
4.05- 4.15	4	195	1.85	90.28
3.95- 4.05	9	191	4.17	88.43
3.85- 3.95	7	182	3.24	84.26
3.75- 3.85	7	175	3.24	81.02
3.65- 3.75	4	168	1.85	77.78
3.55- 3.65	6	164	2.74	75.93
3.45- 3.55	17	150	7.87	73.15
3.35- 3.45	21	141	9.72	65.28
3.25- 3.35	25	122	11.57	55.66
3.15- 3.25	25	95	11.57	43.98
3.05- 3.15	25	70	11.57	32.41
2.95- 3.05	25	45	11.57	20.83
2.85- 2.95	11	20	5.09	9.26
2.75- 2.85	4	9	1.85	4.17
2.65- 2.75	2	5	.93	2.31
2.55- 2.65	2	3	.93	1.39
2.45- 2.55	1	1	.46	.46

FREQUENCY TABLES FOR HEAD AND FACE SERIES

11- MOUTH BREADTH, SPILING

RANGES	FRC	CUMF	FRC%	CUMF%
7.55- 7.65	1	216	.46	100.00
7.45- 7.55	1	215	.46	99.54
7.35- 7.45	0	214	.00	99.07
7.25- 7.35	0	214	0.00	99.07
7.15- 7.25	0	214	0.00	99.07
7.05- 7.15	1	214	.46	99.07
6.95- 7.05	1	213	.46	98.61
6.85- 6.95	2	212	.93	98.15
6.75- 6.85	6	210	2.78	97.22
6.65- 6.75	14	204	4.63	94.44
6.55- 6.65	3	194	1.30	89.81
6.45- 6.55	7	191	3.24	88.43
6.35- 6.45	14	184	6.48	85.19
6.25- 6.35	13	170	6.02	78.70
6.15- 6.25	15	157	6.94	72.69
6.05- 6.15	10	142	4.63	65.74
5.95- 6.05	12	132	5.56	61.11
5.85- 5.95	7	120	3.24	55.56
5.75- 5.85	14	113	6.48	52.31
5.65- 5.75	24	90	11.11	45.83
5.55- 5.65	13	75	6.02	34.72
5.45- 5.55	13	62	6.02	28.70
5.35- 5.45	12	49	5.56	22.69
5.25- 5.35	6	37	2.78	17.13
5.15- 5.25	11	31	5.09	14.35
5.05- 5.15	6	26	2.78	9.26
4.95- 5.05	5	14	2.31	6.48
4.85- 4.95	2	9	.93	4.17
4.75- 4.85	4	7	1.85	3.24
4.65- 4.75	1	3	.46	1.39
4.55- 4.65	1	2	.46	.93
4.45- 4.55	1	1	.46	.46

A-5. FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

1S STRAGTH/2H 38CM F1				2S STRAGTH/2H 38CM M2					
RANGES	FRC	CUMF	FRCX	CUMFX	RANGES	FRC	CUMF	FRCX	CUMFX
224.75-229.75	1	349	.29	100.00	254.75-259.75	1	349	.29	100.00
219.75-224.75	1	348	.29	99.71	249.75-254.75	0	348	0.00	99.71
214.75-219.75	0	347	0.00	99.43	244.75-249.75	0	348	0.00	99.71
209.75-214.75	0	347	0.00	99.43	239.75-244.75	0	348	0.00	99.71
204.75-209.75	1	347	.29	99.43	234.75-239.75	0	348	0.00	99.71
199.75-204.75	5	346	1.43	99.14	229.75-234.75	0	348	0.00	99.71
194.75-199.75	3	341	.86	97.71	224.75-229.75	0	348	0.00	99.71
189.75-194.75	1	338	.29	96.85	219.75-224.75	2	348	.57	99.71
184.75-189.75	4	337	1.15	96.56	214.75-219.75	2	346	.57	99.14
179.75-184.75	5	333	1.43	95.42	209.75-214.75	1	344	.29	98.57
174.75-179.75	5	328	1.43	93.98	204.75-209.75	1	343	.29	98.28
169.75-174.75	6	323	1.72	92.55	199.75-204.75	1	342	1.00	97.99
164.75-169.75	9	317	2.58	90.83	194.75-199.75	2	342	.57	97.99
159.75-164.75	12	308	3.44	88.25	189.75-194.75	2	340	.57	97.42
154.75-159.75	11	296	3.15	84.81	184.75-189.75	6	338	1.72	96.85
149.75-154.75	14	285	4.01	81.66	179.75-184.75	2	332	.57	95.13
144.75-149.75	12	271	3.44	77.65	174.75-179.75	2	331	2.29	94.56
139.75-144.75	15	259	4.30	74.21	169.75-174.75	8	322	2.29	92.26
134.75-139.75	17	244	4.97	69.91	164.75-169.75	7	314	2.01	89.97
129.75-134.75	28	227	8.02	65.04	159.75-164.75	13	307	3.72	87.97
124.75-129.75	22	199	6.30	57.02	154.75-159.75	18	294	5.16	84.24
119.75-124.75	27	177	7.74	50.72	149.75-154.75	18	276	5.16	79.08
114.75-119.75	11	150	3.15	42.98	144.75-149.75	18	258	5.16	73.93
109.75-114.75	16	139	5.16	39.83	139.75-144.75	17	246	4.87	68.77
104.75-109.75	21	121	5.73	34.67	134.75-139.75	22	223	6.30	63.99
99.75-104.75	17	101	4.87	28.94	129.75-134.75	21	201	6.02	57.59
94.75-99.75	15	84	4.30	24.07	124.75-129.75	21	187	6.02	51.58
89.75-94.75	17	69	4.87	19.77	119.75-124.75	17	159	4.87	45.56
84.75-89.75	7	52	2.01	14.90	114.75-119.75	15	142	4.30	40.69
79.75-84.75	13	45	3.72	12.89	109.75-114.75	25	127	7.16	36.39
74.75-79.75	7	32	2.01	9.17	104.75-109.75	21	102	6.02	29.23
69.75-74.75	5	25	1.43	7.16	99.75-104.75	11	81	3.15	23.21
64.75-69.75	9	20	2.58	5.73	94.75-99.75	15	76	4.30	20.06
59.75-64.75	6	11	1.72	3.15	89.75-94.75	17	55	4.87	15.76
54.75-59.75	4	5	1.15	1.43	84.75-89.75	4	38	1.15	10.69
49.75-54.75	1	1	.29	.29	79.75-84.75	6	34	1.72	9.74
					74.75-79.75	10	28	2.87	8.02
					69.75-74.75	6	18	1.72	5.16
					64.75-69.75	6	12	1.72	3.44
					59.75-64.75	2	6	.57	1.72
					54.75-59.75	2	4	.57	1.15
					49.75-54.75	2	2	.57	.57

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

3S STRNGTH/2H 38CM F1					4S STRNGTH/2H 38CM P2				
RANGES	FRC	CUMF	FRQX	CUMFX	RANGES	FRC	CUMF	FRQX	CUMFX
234.75-239.75	2	349	.57	100.00	264.75-269.75	1	349	.29	100.00
229.75-234.75	0	347	0.00	99.43	259.75-264.75	0	348	0.00	99.71
224.75-229.75	1	347	.29	99.43	254.75-259.75	0	348	0.00	99.71
219.75-224.75	1	346	.29	99.14	249.75-254.75	0	348	0.00	99.71
214.75-219.75	4	345	1.15	98.85	244.75-249.75	0	348	0.00	99.71
209.75-214.75	2	341	.57	97.71	239.75-244.75	6	348	3.00	99.71
204.75-209.75	3	339	.86	97.13	234.75-239.75	6	340	0.00	99.71
199.75-204.75	2	336	.57	96.28	229.75-234.75	1	348	.29	99.71
194.75-199.75	5	334	1.43	95.70	224.75-229.75	3	347	.86	99.43
189.75-194.75	5	320	1.43	94.27	219.75-224.75	2	344	.57	98.57
184.75-189.75	16	324	4.58	92.84	214.75-219.75	1	342	.29	97.99
179.75-184.75	10	336	2.87	88.25	209.75-214.75	1	341	.29	97.71
174.75-179.75	6	298	1.72	85.39	204.75-209.75	2	340	.57	97.42
169.75-174.75	15	292	4.30	83.67	199.75-204.75	5	338	1.43	96.85
164.75-169.75	10	277	2.87	79.37	194.75-199.75	9	333	2.58	95.42
159.75-164.75	11	267	3.15	76.50	189.75-194.75	8	324	2.29	92.84
154.75-159.75	14	256	4.01	73.35	184.75-189.75	6	316	1.72	90.54
149.75-154.75	25	242	7.16	69.34	179.75-184.75	4	310	1.15	88.23
144.75-149.75	21	217	6.02	62.18	174.75-179.75	12	306	3.44	87.68
139.75-144.75	23	196	6.59	56.16	169.75-174.75	17	294	4.87	84.24
134.75-139.75	17	173	4.87	49.57	164.75-169.75	26	277	7.45	79.37
129.75-134.75	20	156	5.73	44.70	159.75-164.75	12	251	3.44	71.92
124.75-129.75	16	136	4.58	38.97	154.75-159.75	14	239	4.01	68.48
119.75-124.75	18	120	5.16	34.38	149.75-154.75	17	225	4.87	64.47
114.75-119.75	15	102	4.30	29.23	144.75-149.75	27	208	7.74	59.60
109.75-114.75	15	87	4.30	24.93	139.75-144.75	26	181	7.45	51.86
104.75-109.75	16	72	4.58	20.63	134.75-139.75	18	155	5.16	44.41
99.75-104.75	10	56	2.87	16.05	129.75-134.75	14	137	4.01	39.26
94.75-99.75	8	46	2.29	13.18	124.75-129.75	16	123	4.58	35.24
89.75-94.75	10	38	2.87	10.89	119.75-124.75	23	107	6.59	30.66
84.75-89.75	6	28	1.72	8.02	114.75-119.75	14	84	4.01	24.07
79.75-84.75	8	22	2.29	6.30	109.75-114.75	10	70	2.87	20.06
74.75-79.75	5	14	1.43	4.01	104.75-109.75	17	60	4.87	17.19
69.75-74.75	3	9	.86	2.58	99.75-104.75	10	42	2.87	12.32
64.75-69.75	4	6	1.15	1.72	94.75-99.75	11	33	3.15	9.46
59.75-64.75	1	2	.29	.57	89.75-94.75	7	22	2.01	6.30
54.75-59.75	1	1	.29	.29	84.75-89.75	4	15	1.15	4.70
					79.75-84.75	1	11	.29	3.15
					74.75-79.75	4	10	1.15	2.47
					69.75-74.75	3	6	.86	1.72
					64.75-69.75	1	3	.29	.86
					59.75-64.75	1	2	.29	.57
					54.75-59.75	0	1	.00	.29
					49.75-54.75	1	1	.29	.29

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

55 STRNGTH/2H 50CM P1				ES STRNGTH/2H 50CM M2			
RANGES		FREQ	CUMF	RANGES		FREQ	CUMF
229.75-234.75	1	349	.29	269.75-274.75	1	349	.29
224.75-229.75	0	348	0.00	264.75-269.75	0	348	0.00
219.75-224.75	1	348	.29	259.75-264.75	0	348	0.00
214.75-219.75	0	347	0.00	254.75-259.75	0	348	0.00
209.75-214.75	1	347	.29	249.75-254.75	0	348	0.00
204.75-209.75	1	346	.29	244.75-249.75	0	348	0.00
199.75-204.75	0	345	0.00	239.75-244.75	0	348	0.00
194.75-199.75	4	345	1.15	234.75-239.75	0	348	0.00
189.75-194.75	1	341	.29	229.75-234.75	0	348	0.00
184.75-189.75	3	340	2.29	224.75-229.75	0	348	0.00
179.75-184.75	3	332	.86	219.75-224.75	1	348	.29
174.75-179.75	5	329	1.43	214.75-219.75	6	347	3.00
169.75-174.75	7	324	2.01	209.75-214.75	3	347	.86
164.75-169.75	12	317	3.44	204.75-209.75	2	344	.57
159.75-164.75	17	305	4.87	199.75-204.75	3	342	.86
154.75-159.75	13	288	3.72	194.75-199.75	4	339	1.15
149.75-154.75	9	275	2.58	189.75-194.75	3	335	.86
144.75-149.75	12	266	3.44	184.75-189.75	6	332	1.72
139.75-144.75	18	254	5.16	179.75-184.75	5	326	1.43
134.75-139.75	19	236	5.44	174.75-179.75	4	321	1.15
129.75-134.75	22	217	6.30	169.75-174.75	14	317	4.01
124.75-129.75	14	195	4.91	164.75-169.75	13	303	3.72
119.75-124.75	2	121	2.29	159.75-164.75	14	290	4.01
114.75-119.75	24	173	6.86	154.75-159.75	7	276	2.01
109.75-114.75	17	149	4.87	149.75-154.75	11	269	3.15
104.75-109.75	19	132	5.44	144.75-149.75	16	253	4.58
99.75-104.75	14	113	4.01	139.75-144.75	18	242	5.16
94.75-99.75	18	99	5.16	134.75-139.75	23	224	6.59
89.75-94.75	17	81	4.87	129.75-134.75	27	201	7.74
84.75-89.75	11	64	3.15	124.75-129.75	14	174	4.01
79.75-84.75	6	53	1.72	119.75-124.75	17	160	4.87
74.75-79.75	9	47	2.58	114.75-119.75	22	147	6.30
69.75-74.75	14	38	4.01	109.75-114.75	16	121	4.58
64.75-69.75	8	24	2.29	104.75-109.75	18	105	5.16
59.75-64.75	7	16	2.01	99.75-104.75	19	87	5.44
54.75-59.75	2	9	.57	94.75-99.75	14	66	4.01
49.75-54.75	4	7	1.15	89.75-94.75	8	54	2.29
44.75-49.75	2	3	.57	84.75-89.75	13	46	3.72
39.75-44.75	1	1	.29	79.75-84.75	4	33	1.15
				74.75-79.75	8	29	2.29
				69.75-74.75	6	21	1.72
				64.75-69.75	5	15	1.43
				59.75-64.75	3	10	.86
				54.75-59.75	3	7	.86
				49.75-54.75	4	4	1.15

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

25 STRNGTH/2H 50CM F1				
RANGES	FRG	CUMF	FRQX	CUMFX
264.75-269.75	1	349	.29	100.00
259.75-264.75	0	348	0.00	99.71
254.75-259.75	0	348	0.00	99.71
249.75-254.75	0	348	0.00	99.71
244.75-249.75	0	348	0.00	99.71
239.75-244.75	0	348	0.00	99.71
234.75-239.75	0	348	0.00	99.71
229.75-234.75	2	348	.57	99.71
224.75-229.75	1	346	.29	99.14
219.75-224.75	0	345	0.00	98.85
214.75-219.75	2	345	.57	98.85
209.75-214.75	1	343	.29	98.28
204.75-209.75	4	342	1.15	97.99
199.75-204.75	3	338	.86	96.85
194.75-199.75	5	335	1.43	95.99
189.75-194.75	8	330	2.29	94.56
184.75-189.75	9	322	2.58	92.26
179.75-184.75	11	313	3.15	89.68
174.75-179.75	10	302	2.87	86.53
169.75-174.75	9	292	2.58	83.67
164.75-169.75	17	283	4.87	81.09
159.75-164.75	10	266	2.87	76.22
154.75-159.75	13	256	3.72	73.35
149.75-154.75	26	243	7.45	69.63
144.75-149.75	18	217	5.16	62.18
139.75-144.75	18	199	5.16	57.02
134.75-139.75	21	181	6.02	51.86
129.75-134.75	7	160	2.01	45.85
124.75-129.75	16	153	4.56	43.84
119.75-124.75	14	137	4.01	39.26
114.75-119.75	23	123	5.59	35.24
109.75-114.75	21	100	6.02	28.65
104.75-109.75	12	79	3.44	22.64
99.75-104.75	8	67	2.29	19.20
94.75-99.75	9	59	2.58	16.91
89.75-94.75	7	50	2.01	14.33
84.75-89.75	9	43	2.58	12.32
79.75-84.75	11	34	3.15	9.74
74.75-79.75	8	23	2.29	6.59
69.75-74.75	8	15	2.29	4.30
64.75-69.75	1	7	.86	2.01
59.75-64.75	0	4	0.00	1.15
54.75-59.75	1	4	.29	1.15
49.75-54.75	2	3	.57	.86
44.75-49.75	1	1	.29	.29

25 STRNGTH/2H 50CM P2				
RANGES	FRG	CUMF	FRQX	CUMFX
279.75-284.75	1	349	.29	100.00
274.75-279.75	0	348	0.00	99.71
269.75-274.75	0	348	0.00	99.71
264.75-269.75	0	348	0.00	99.71
259.75-264.75	0	348	0.00	99.71
254.75-259.75	0	348	0.00	99.71
249.75-254.75	0	348	0.00	99.71
244.75-249.75	0	348	0.00	99.71
239.75-244.75	0	348	0.00	99.71
234.75-239.75	1	348	.29	99.71
229.75-234.75	0	347	0.00	99.43
224.75-229.75	3	347	.86	99.43
219.75-224.75	1	344	.29	98.57
214.75-219.75	3	343	.86	98.28
209.75-214.75	5	340	1.43	97.42
204.75-209.75	3	335	.86	95.99
199.75-204.75	4	332	1.15	95.13
194.75-199.75	5	328	1.43	93.98
189.75-194.75	7	323	2.01	92.55
184.75-189.75	13	316	3.72	90.54
179.75-184.75	15	303	4.30	86.82
174.75-179.75	8	288	2.29	82.52
169.75-174.75	16	280	4.58	80.23
164.75-169.75	15	264	4.30	75.64
159.75-164.75	16	249	2.87	71.35
154.75-159.75	17	239	4.87	66.48
149.75-154.75	25	222	7.16	63.61
144.75-149.75	20	197	5.73	56.45
139.75-144.75	21	177	6.02	50.72
134.75-139.75	14	156	4.01	44.70
129.75-134.75	15	142	4.30	40.69
124.75-129.75	20	127	5.73	36.39
119.75-124.75	19	107	5.44	30.66
114.75-119.75	9	88	2.58	25.21
109.75-114.75	20	79	5.73	22.64
104.75-109.75	14	59	4.01	16.91
99.75-104.75	6	45	1.72	12.89
94.75-99.75	7	39	2.01	11.17
89.75-94.75	9	32	2.58	9.17
84.75-89.75	2	23	.57	6.59
79.75-84.75	7	21	2.01	6.02
74.75-79.75	6	14	1.72	4.01
69.75-74.75	1	8	.29	2.29
64.75-69.75	4	7	1.15	2.01
59.75-64.75	2	3	.57	.86
54.75-59.75	1	1	.29	.29

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

95 STRNGTH/2H 100CM P1			
RANGES	FREQ	CUMF	FREQ
139.75-142.25	1	349	.29 100.00
137.25-139.75	0	348	0.00 95.71
134.75-137.25	0	348	0.00 99.71
132.25-134.75	0	348	0.00 99.71
129.75-132.25	0	348	0.00 99.71
127.25-129.75	0	348	0.00 99.71
124.75-127.25	0	348	0.00 99.71
122.25-124.75	1	348	.29 99.71
119.75-122.25	1	347	.29 99.43
117.25-119.75	0	346	0.00 99.14
114.75-117.25	0	346	0.00 99.14
112.25-114.75	1	346	.29 99.14
109.75-112.25	1	345	.29 98.85
107.25-109.75	3	344	.86 98.57
104.75-107.25	2	341	.57 97.71
102.25-104.75	1	339	.29 97.13
99.75-102.25	6	338	1.72 96.85
97.25-99.75	3	332	.86 95.13
94.75-97.25	6	329	1.72 94.27
92.25-94.75	11	323	2.87 92.55
89.75-92.25	9	313	2.58 89.68
87.25-89.75	9	304	2.56 87.11
84.75-87.25	10	295	2.87 84.53
82.25-84.75	14	285	4.01 81.66
79.75-82.25	11	271	3.15 77.65
77.25-79.75	12	260	3.44 74.50
74.75-77.25	18	248	5.16 71.06
72.25-74.75	16	230	4.56 65.90
69.75-72.25	24	214	6.88 61.32
67.25-69.75	14	190	4.01 54.44
64.75-67.25	21	176	6.02 50.43
62.25-64.75	16	155	4.56 44.41
59.75-62.25	19	139	5.44 39.83
57.25-59.75	18	120	5.16 34.38
54.75-57.25	21	102	6.02 29.23
52.25-54.75	17	81	4.87 23.21
49.75-52.25	11	64	3.15 18.34
47.25-49.75	12	53	3.44 15.19
44.75-47.25	11	41	3.15 11.75
42.25-44.75	7	30	2.01 8.60
39.75-42.25	12	23	3.44 6.59
37.25-39.75	4	11	1.15 3.15
34.75-37.25	4	7	1.15 2.01
32.25-34.75	1	3	.29 .86
29.75-32.25	1	2	.29 .57
27.25-29.75	0	1	0.00 .29
24.75-27.25	0	1	0.00 .29
22.25-24.75	0	1	0.00 .29
19.75-22.25	0	1	0.00 .29
17.25-19.75	1	1	.29 .29

1CS STRNGTH/2H 100CM M2			
RANGES	FREQ	CUMF	FREQ
134.75-137.25	1	349	.29 100.00
132.25-134.75	0	348	0.00 99.71
129.75-132.25	0	348	0.00 99.71
127.25-129.75	0	348	0.00 99.71
124.75-127.25	1	348	.29 99.71
122.25-124.75	4	347	0.00 99.43
119.75-122.25	0	347	0.00 99.43
117.25-119.75	1	347	.29 99.43
114.75-117.25	0	346	0.00 99.14
112.25-114.75	3	346	.86 99.14
109.75-112.25	1	343	.29 98.28
107.25-109.75	1	342	.29 97.59
104.75-107.25	4	341	1.15 97.71
102.25-104.75	3	337	.86 96.56
99.75-102.25	1	334	.29 95.70
97.25-99.75	5	333	1.43 95.42
94.75-97.25	6	328	1.72 93.98
92.25-94.75	7	322	2.01 92.26
89.75-92.25	5	315	1.43 90.26
87.25-89.75	6	310	1.72 88.83
84.75-87.25	13	294	3.72 87.11
82.25-84.75	10	281	2.87 83.38
79.75-82.25	9	261	2.58 80.52
77.25-79.75	11	272	3.15 77.54
74.75-77.25	23	261	6.59 74.79
72.25-74.75	22	239	6.30 69.19
69.75-72.25	23	216	6.59 61.89
67.25-69.75	10	193	2.87 55.30
64.75-67.25	21	183	6.02 52.44
62.25-64.75	16	162	5.16 46.22
59.75-62.25	27	144	7.74 41.26
57.25-59.75	16	117	4.58 33.52
54.75-57.25	13	101	3.72 28.54
52.25-54.75	15	88	4.30 25.21
49.75-52.25	15	73	4.30 20.52
47.25-49.75	19	56	5.44 16.62
44.75-47.25	10	39	2.87 11.17
42.25-44.75	9	29	2.58 8.31
39.75-42.25	8	20	2.29 5.73
37.25-39.75	5	12	1.43 3.44
34.75-37.25	3	7	.86 2.01
32.25-34.75	1	4	.29 1.15
29.75-32.25	0	3	0.00 .86
27.25-29.75	3	3	.86 .86

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

115 STRNGTH/2H 100CM F1				
RANGES	FREQ	CUMF	FPOZ	CUMFX
147.25-149.75	1	349	.29	100.00
144.75-147.25	0	348	0.00	99.71
142.25-144.75	0	348	0.00	99.71
139.75-142.25	0	348	0.00	99.71
137.25-139.75	0	348	0.00	99.71
134.75-137.25	2	348	.57	99.71
132.25-134.75	0	346	0.00	99.14
129.75-132.25	0	346	0.00	99.14
127.25-129.75	0	346	0.00	99.14
124.75-127.25	1	346	.29	99.14
122.25-124.75	1	345	.29	98.85
119.75-122.25	1	344	.29	98.57
117.25-119.75	2	343	.57	98.28
114.75-117.25	1	341	.29	97.71
112.25-114.75	5	340	1.43	97.42
109.75-112.25	3	335	.86	95.99
107.25-109.75	3	332	.86	95.13
104.75-107.25	6	329	1.72	94.27
102.25-104.75	3	323	.86	92.55
99.75-102.25	9	320	2.58	91.69
97.25-99.75	9	311	2.58	89.11
94.75-97.25	8	302	2.29	86.53
92.25-94.75	16	294	4.58	84.24
89.75-92.25	11	278	3.15	79.66
87.25-89.75	10	267	2.87	76.50
84.75-87.25	9	257	2.58	73.64
82.25-84.75	17	248	4.87	71.06
79.75-82.25	20	231	5.73	66.19
77.25-79.75	13	211	3.72	60.46
74.75-77.25	23	194	6.59	56.73
72.25-74.75	19	175	5.44	50.14
69.75-72.25	24	156	6.88	44.70
67.25-69.75	16	132	4.58	37.82
64.75-67.25	14	116	4.01	33.24
62.25-64.75	20	102	5.73	29.23
59.75-62.25	21	82	6.02	23.50
57.25-59.75	9	61	2.58	17.48
54.75-57.25	15	52	4.30	14.90
52.25-54.75	8	37	2.29	10.60
49.75-52.25	6	29	1.72	8.31
47.25-49.75	5	23	1.43	6.59
44.75-47.25	8	18	2.29	5.16
42.25-44.75	10	10	1.72	2.87
39.75-42.25	2	4	.57	1.15
37.25-39.75	1	2	.29	.57
34.75-37.25	0	1	0.00	.29
32.25-34.75	0	1	0.00	.29
29.75-32.25	0	1	0.00	.29
27.25-29.75	0	1	0.00	.29
24.75-27.25	1	1	.29	.29

125 STRAGHT/2H 100CM P2				
RANGES	FREQ	CUMF	FPOZ	CUMFX
147.25-149.75	1	349	.29	100.00
144.75-147.25	1	348	.29	99.71
142.25-144.75	0	347	0.00	99.43
139.75-142.25	0	347	0.00	99.43
137.25-139.75	0	347	0.00	99.43
134.75-137.25	0	347	0.00	99.43
132.25-134.75	1	347	.29	99.43
129.75-132.25	1	346	.29	99.14
127.25-129.75	0	345	0.00	98.85
124.75-127.25	2	345	.57	98.85
122.25-124.75	2	343	.57	98.28
119.75-122.25	3	341	.86	97.71
117.25-119.75	3	338	.86	96.85
114.75-117.25	1	335	.29	95.99
112.25-114.75	1	334	.29	95.70
109.75-112.25	2	333	.57	95.42
107.25-109.75	2	331	.57	94.84
104.75-107.25	5	329	1.43	94.27
102.25-104.75	6	324	1.72	92.84
99.75-102.25	7	318	2.01	91.12
97.25-99.75	7	311	2.01	85.11
94.75-97.25	6	304	1.72	87.11
92.25-94.75	9	298	2.58	85.39
89.75-92.25	13	289	3.72	82.81
87.25-89.75	11	276	3.15	79.08
84.75-87.25	16	265	4.58	75.93
82.25-84.75	13	249	3.72	71.35
79.75-82.25	19	236	5.44	67.62
77.25-79.75	14	217	5.44	62.13
74.75-77.25	23	198	6.59	56.73
72.25-74.75	20	175	5.73	50.14
69.75-72.25	22	155	6.30	44.41
67.25-69.75	15	133	4.30	38.11
64.75-67.25	22	118	6.30	33.41
62.25-64.75	10	96	4.30	27.51
59.75-62.25	11	81	3.15	23.21
57.25-59.75	17	70	4.87	20.06
54.75-57.25	14	53	4.01	15.19
52.25-54.75	10	39	2.87	11.17
49.75-52.25	5	29	1.43	8.31
47.25-49.75	10	24	2.87	6.88
44.75-47.25	7	14	2.01	4.61
42.25-44.75	1	7	.29	2.01
39.75-42.25	3	6	.86	1.72
37.25-39.75	0	3	0.00	.86
34.75-37.25	3	3	.86	.86

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

13S STRNTH/2H 150CM F1				14S STRNTH/2H 150CM M2			
RANGES	FRO	CUMF	CUMFX	RANGES	FRO	CUMF	CUMFX
122.25-124.75	1	349	.29 100.00	146.75-149.75	1	349	.29 100.00
119.75-122.25	0	348	.00 99.71	143.75-146.75	0	348	0.00 99.71
117.25-119.75	0	348	.00 99.71	140.75-143.75	0	348	0.00 99.71
114.75-117.25	0	348	0.00 99.71	137.75-140.75	0	348	0.00 99.71
112.25-114.75	1	348	.29 99.71	134.75-137.75	0	348	0.00 99.71
109.75-112.25	2	347	.57 99.43	131.75-134.75	1	348	0.00 99.71
107.25-109.75	1	345	.29 98.85	128.75-131.75	1	348	.29 99.71
104.75-107.25	0	344	0.00 98.57	125.75-128.75	0	347	0.00 99.43
102.25-104.75	0	344	0.00 98.57	122.75-125.75	1	347	0.00 99.43
99.75-102.25	0	344	0.00 98.57	119.75-122.75	0	347	0.00 99.43
97.25-99.75	1	344	.29 98.57	116.75-119.75	0	347	0.00 99.43
94.75-97.25	0	343	0.00 98.28	113.75-116.75	1	347	.29 99.43
92.25-94.75	1	343	.29 98.28	110.75-113.75	0	346	0.00 99.14
89.75-92.25	3	342	.86 97.99	107.75-110.75	1	346	.29 99.14
87.25-89.75	1	339	.29 97.13	104.75-107.75	0	345	0.00 98.85
84.75-87.25	5	338	1.43 96.85	101.75-104.75	0	345	0.00 98.85
82.25-84.75	5	333	1.43 95.42	98.75-101.75	4	345	1.15 98.85
79.75-82.25	6	328	1.72 93.98	95.75-98.75	1	341	.29 97.71
77.25-79.75	13	322	3.72 92.26	92.75-95.75	2	340	.57 97.42
74.75-77.25	5	309	1.43 88.54	89.75-92.75	1	338	.29 96.85
72.25-74.75	9	304	2.56 87.11	86.75-89.75	4	337	1.15 96.56
69.75-72.25	9	295	2.56 84.53	83.75-86.75	1	333	.29 95.42
67.25-69.75	16	286	4.58 81.95	80.75-83.75	5	332	1.43 95.13
64.75-67.25	18	270	5.16 77.36	77.75-80.75	9	327	2.56 93.70
62.25-64.75	9	252	2.56 72.21	74.75-77.75	8	316	2.29 91.12
59.75-62.25	22	243	6.30 69.63	71.75-74.75	13	310	3.72 88.83
57.25-59.75	28	221	8.02 63.32	68.75-71.75	15	297	4.31 85.16
54.75-57.25	29	193	8.31 55.30	65.75-68.75	23	282	6.59 80.80
52.25-54.75	27	164	7.74 46.99	62.75-65.75	15	259	4.30 74.21
49.75-52.25	26	137	7.45 39.26	59.75-62.75	26	244	7.45 69.51
47.25-49.75	25	111	7.16 31.81	56.75-59.75	29	218	8.31 62.46
44.75-47.25	13	86	3.72 24.64	53.75-56.75	36	169	10.32 54.15
42.25-44.75	14	73	4.31 20.92	50.75-53.75	31	153	8.88 43.84
39.75-42.25	19	59	5.44 16.91	47.75-50.75	24	122	6.08 34.56
37.25-39.75	10	40	2.87 11.46	44.75-47.75	29	93	8.31 28.08
34.75-37.25	11	30	3.15 8.60	41.75-44.75	19	69	5.44 15.77
32.25-34.75	7	19	2.01 5.44	38.75-41.75	12	50	3.44 14.33
29.75-32.25	6	12	1.72 3.44	35.75-38.75	18	30	5.16 10.89
27.25-29.75	3	6	.86 1.72	32.75-35.75	8	20	2.29 5.73
24.75-27.25	1	3	.29 .86	29.75-32.75	6	12	1.72 3.44
22.25-24.75	1	2	.29 .57	26.75-29.75	4	6	1.15 1.72
19.75-22.25	0	1	0.00 .29	23.75-26.75	1	2	.29 .57
17.25-19.75	1	1	.29 .29	20.75-23.75	1	1	.29 .29

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

155 STRAIGHT/2H 150CM F1					165 STRAIGHT/2H 150CM P2				
RANGES	FREQ	CUMF	FRQX	CUMFX	RANGES	FREQ	CUMF	FRQX	CUMFX
139.75-142.25	1	349	.29	100.00	170.75-173.75	1	349	.29	100.00
137.25-139.75	1	346	.29	99.71	167.75-170.75	0	348	0.00	99.71
134.75-137.25	0	347	0.00	99.43	164.75-167.75	0	348	0.00	99.71
132.25-134.75	0	347	0.00	99.43	161.75-164.75	0	348	0.00	99.71
129.75-132.25	0	347	0.00	99.43	158.75-161.75	0	348	0.00	99.71
127.25-129.75	0	347	0.00	99.43	155.75-158.75	0	348	0.00	99.71
124.75-127.25	2	347	.57	99.43	152.75-155.75	0	348	0.00	99.71
122.25-124.75	1	345	.29	98.85	149.75-152.75	0	348	0.00	99.71
119.75-122.25	0	344	0.00	98.57	146.75-149.75	0	348	0.00	99.71
117.25-119.75	1	344	.29	98.57	143.75-146.75	0	348	0.00	99.71
114.75-117.25	0	343	0.00	98.28	140.75-143.75	1	348	.29	99.71
112.25-114.75	1	343	.29	98.28	137.75-140.75	0	347	0.00	99.43
109.75-112.25	0	342	0.00	97.99	134.75-137.75	0	347	0.00	99.43
107.25-109.75	1	342	.29	97.99	131.75-134.75	1	347	.29	99.43
104.75-107.25	0	341	0.00	97.71	128.75-131.75	0	346	0.00	99.14
102.25-104.75	0	341	0.00	97.71	125.75-128.75	1	346	.29	99.14
99.75-102.25	2	341	.57	97.71	122.75-125.75	0	345	0.00	98.85
97.25-99.75	2	339	.57	97.13	119.75-122.75	1	345	.29	98.85
94.75-97.25	3	337	.86	96.56	116.75-119.75	0	344	0.00	98.57
92.25-94.75	2	334	.57	95.70	113.75-116.75	1	344	.29	98.57
89.75-92.25	12	332	3.44	95.13	110.75-113.75	2	343	.57	98.28
87.25-89.75	3	320	.86	91.69	107.75-110.75	1	341	.29	97.71
84.75-87.25	12	317	3.44	90.83	104.75-107.75	3	340	.86	97.42
82.25-84.75	9	305	2.56	87.39	101.75-104.75	0	337	0.00	96.56
79.75-82.25	9	296	2.56	84.81	98.75-101.75	2	337	.57	96.56
77.25-79.75	11	287	3.15	82.23	95.75-98.75	2	335	.57	95.99
74.75-77.25	6	276	1.72	79.08	92.75-95.75	5	333	1.43	95.42
72.25-74.75	19	270	5.44	77.36	89.75-92.75	3	328	.86	93.98
69.75-72.25	19	251	5.44	71.92	86.75-89.75	7	325	2.01	93.12
67.25-69.75	18	232	5.16	66.48	83.75-86.75	10	316	2.87	91.12
64.75-67.25	23	214	6.59	61.32	80.75-83.75	18	308	5.16	88.25
62.25-64.75	27	191	7.74	54.73	77.75-80.75	9	290	2.58	83.09
59.75-62.25	19	164	5.44	46.99	74.75-77.75	15	281	4.30	80.52
57.25-59.75	36	145	10.32	41.55	71.75-74.75	21	266	6.02	76.22
54.75-57.25	17	109	4.87	31.23	68.75-71.75	24	245	6.88	70.20
52.25-54.75	17	92	4.87	26.36	65.75-68.75	22	221	6.30	63.32
49.75-52.25	21	75	6.02	21.49	62.75-65.75	36	199	10.32	57.02
47.25-49.75	8	54	2.29	15.47	59.75-62.75	34	163	9.74	46.70
44.75-47.25	15	46	4.36	13.18	56.75-59.75	26	129	7.45	36.56
42.25-44.75	11	31	3.15	8.88	53.75-56.75	27	103	7.74	29.51
39.75-42.25	6	20	1.72	5.73	50.75-53.75	26	76	7.45	21.78
37.25-39.75	4	14	1.15	4.01	47.75-50.75	11	50	3.15	14.33
34.75-37.25	5	10	1.43	2.87	44.75-47.75	11	39	3.15	11.17
32.25-34.75	2	5	.57	1.43	41.75-44.75	12	28	3.44	8.02
29.75-32.25	2	3	.57	.86	38.75-41.75	8	16	2.29	4.58
27.25-29.75	0	1	0.00	.29	35.75-38.75	3	8	.86	2.29
24.75-27.25	1	1	.29	.29	32.75-35.75	3	5	.86	1.43
					29.75-32.75	1	2	.29	.57
					26.75-29.75	1	1	.29	.29

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

					1RS STRNTH/1H		100CM M2			
					RANGES		FRQ CUMF		FRQX CUMFX	

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

19S STRENGTH/1H 100CM F1					26S STRENGTH/1H 100CM P2				
RANGES	FRC	CLFF	FPOZ	CUMF%	RANGES	FRC	CUMF	FPOZ	CUMF%
107.75-109.75	1	349	.29	100.00	129.75-132.25	1	349	.29	100.00
105.75-107.75	0	348	0.00	99.71	127.25-129.75	0	348	0.00	99.71
103.75-105.75	0	348	0.00	99.71	124.75-127.25	0	348	0.00	99.71
101.75-103.75	1	348	.29	99.71	122.25-124.75	0	348	0.00	99.71
99.75-101.75	0	347	0.00	99.43	119.75-122.25	0	348	0.00	99.71
97.75-99.75	1	347	.29	99.43	117.25-119.75	0	348	0.00	99.71
95.75-97.75	0	346	0.00	99.14	114.75-117.25	0	348	0.00	99.71
93.75-95.75	0	346	0.00	99.14	112.25-114.75	0	348	0.00	99.71
91.75-93.75	1	346	.29	99.14	109.75-112.25	1	348	.29	99.71
89.75-91.75	0	345	0.00	98.85	107.25-109.75	0	347	0.00	99.43
87.75-89.75	1	345	.29	98.85	104.75-107.25	0	347	0.00	99.43
85.75-87.75	2	344	.57	98.57	102.25-104.75	0	347	0.00	99.43
83.75-85.75	0	342	0.00	97.99	99.75-102.25	2	347	.57	99.43
81.75-83.75	0	342	0.00	97.99	97.25-99.75	0	345	0.00	98.85
79.75-81.75	1	342	.29	97.99	94.75-97.25	0	345	0.00	98.85
77.75-79.75	2	341	.57	97.71	92.25-94.75	1	345	.29	98.85
75.75-77.75	0	339	0.00	97.13	89.75-92.25	1	344	.29	98.57
73.75-75.75	1	339	.29	97.13	87.25-89.75	0	343	0.00	98.28
71.75-73.75	5	338	1.43	96.85	84.75-87.25	1	343	.29	98.28
69.75-71.75	8	333	2.25	95.42	82.25-84.75	1	342	.29	97.99
67.75-69.75	8	325	2.25	93.12	79.75-82.25	1	341	.29	97.71
65.75-67.75	6	317	1.72	90.83	77.25-79.75	0	340	0.00	97.42
63.75-65.75	8	311	2.25	89.11	74.75-77.25	2	340	.57	97.42
61.75-63.75	14	303	4.01	86.82	72.25-74.75	7	338	2.01	96.85
59.75-61.75	16	289	4.58	82.81	69.75-72.25	7	331	2.01	94.84
57.75-59.75	18	273	5.16	78.22	67.25-69.75	8	324	2.29	92.84
55.75-57.75	18	255	5.16	73.67	64.75-67.25	12	316	3.72	90.54
53.75-55.75	19	237	5.44	67.91	62.25-64.75	13	303	3.72	86.82
51.75-53.75	12	218	3.44	62.46	59.75-62.25	11	290	3.15	83.09
49.75-51.75	15	206	4.30	59.03	57.25-59.75	19	279	5.44	78.54
47.75-49.75	21	191	6.02	54.73	54.75-57.25	17	264	4.87	74.50
45.75-47.75	9	170	2.58	48.71	52.25-54.75	27	243	7.74	69.63
43.75-45.75	22	161	6.30	46.13	49.75-52.25	23	216	6.59	61.89
41.75-43.75	14	139	4.01	39.83	47.25-49.75	23	193	6.59	55.30
39.75-41.75	10	125	2.87	35.82	44.75-47.25	20	170	5.73	48.71
37.75-39.75	24	115	6.88	32.95	42.25-44.75	18	150	5.16	42.58
35.75-37.75	24	91	6.88	26.07	39.75-42.25	17	132	4.87	37.82
33.75-35.75	20	67	5.73	19.20	37.25-39.75	29	115	9.31	32.55
31.75-33.75	17	47	4.87	13.47	34.75-37.25	26	86	5.73	24.64
29.75-31.75	11	30	3.15	8.60	32.25-34.75	28	66	8.02	18.51
27.75-29.75	7	19	2.01	5.44	29.75-32.25	20	38	5.73	10.89
25.75-27.75	7	12	2.01	3.44	27.25-29.75	9	18	2.58	5.16
23.75-25.75	2	5	.57	1.43	24.75-27.25	6	9	1.72	2.58
21.75-23.75	2	3	.57	.86	22.25-24.75	1	3	.29	.86
19.75-21.75	1	1	.25	.29	19.75-22.25	2	2	.57	.57

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

215 STRNGTH/1H 45CM P1 C			
RANGES	FRC	CLMF	FRCZ CUMFX
114.75-117.25	1	349	.29 100.00
112.25-114.75	0	348	0.00 99.71
109.75-112.25	1	348	.29 99.71
107.25-109.75	0	347	0.00 99.43
104.75-107.25	0	347	0.00 99.43
102.25-104.75	2	347	.57 99.43
99.75-102.25	0	345	0.00 98.85
97.25-99.75	0	345	0.00 98.85
94.75-97.25	3	345	.86 98.85
92.25-94.75	2	342	.57 97.99
89.75-92.25	3	340	.86 97.42
87.25-89.75	6	337	1.72 96.56
84.75-87.25	7	331	2.01 94.84
82.25-84.75	6	324	1.72 92.84
79.75-82.25	6	318	1.72 91.12
77.25-79.75	3	312	.86 89.40
74.75-77.25	7	309	2.01 88.54
72.25-74.75	7	302	2.01 86.53
69.75-72.25	4	295	1.15 84.53
67.25-69.75	10	291	2.87 83.38
64.75-67.25	11	281	2.87 81.52
62.25-64.75	10	271	2.87 77.65
59.75-62.25	5	261	2.20 74.79
57.25-59.75	12	253	3.44 72.49
54.75-57.25	11	241	3.15 69.15
52.25-54.75	14	230	4.31 65.91
49.75-52.25	16	216	4.58 61.89
47.25-49.75	14	200	4.01 57.31
44.75-47.25	15	186	4.31 53.30
42.25-44.75	26	171	7.45 49.00
39.75-42.25	19	145	5.44 41.55
37.25-39.75	21	126	6.00 36.10
34.75-37.25	16	105	4.58 30.89
32.25-34.75	23	89	6.59 25.59
29.75-32.25	15	66	4.30 18.91
27.25-29.75	18	51	5.16 14.61
24.75-27.25	12	33	3.44 9.46
22.25-24.75	6	21	2.20 6.02
19.75-22.25	4	13	2.29 3.72
17.25-19.75	4	5	1.15 1.43
14.75-17.25	1	1	.29 .29

225 STRNGTH/1H 45CM M2 C			
RANGES	FRC	CLMF	FRCZ CUMFX
114.75-117.25	1	349	.79 100.00
112.25-114.75	0	348	0.00 99.71
109.75-112.25	0	348	0.00 99.71
107.25-109.75	0	348	1.43 99.71
104.75-107.25	0	348	0.00 99.71
102.25-104.75	1	346	.29 99.71
99.75-102.25	2	347	.57 99.43
97.25-99.75	2	345	.57 98.85
94.75-97.25	3	343	.86 98.28
92.25-94.75	2	340	.57 97.42
89.75-92.25	4	330	1.15 96.25
87.25-89.75	4	334	1.15 95.70
84.75-87.25	5	330	1.43 94.56
82.25-84.75	3	325	.86 93.12
79.75-82.25	7	322	.86 92.26
77.25-79.75	9	319	2.01 91.40
74.75-77.25	8	310	2.29 89.63
72.25-74.75	12	302	3.44 86.53
69.75-72.25	6	291	2.29 83.69
67.25-69.75	13	287	3.72 81.03
64.75-67.25	12	269	3.44 77.65
62.25-64.75	9	257	2.53 73.64
59.75-62.25	13	243	3.72 71.10
57.25-59.75	4	235	1.15 67.14
54.75-57.25	12	231	3.44 66.19
52.25-54.75	11	219	3.15 62.75
49.75-52.25	14	208	4.01 59.60
47.25-49.75	27	194	7.74 55.59
44.75-47.25	16	167	4.58 47.65
42.25-44.75	18	151	5.16 43.27
39.75-42.25	12	133	3.44 39.11
37.25-39.75	15	121	5.16 34.67
34.75-37.25	25	113	7.15 29.51
32.25-34.75	13	78	3.72 22.25
29.75-32.25	19	65	4.30 19.62
27.25-29.75	6	51	2.29 14.33
24.75-27.25	13	47	3.72 12.03
22.25-24.75	11	29	3.15 9.31
19.75-22.25	12	18	3.44 5.16
17.25-19.75	3	6	.86 1.72
14.75-17.25	2	3	.57 .26
12.25-14.75	1	1	.29 .29

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

235 STRNGTH/1H 45CM F1 C				
RANGES	FFQ	CUMF	FRQX	CUMFX
124.75-127.25	2	349	.57	100.00
122.25-124.75	0	347	0.00	99.43
119.75-122.25	2	347	.57	99.43
117.25-119.75	0	345	0.00	98.85
114.75-117.25	1	345	.29	98.85
112.25-114.75	0	344	0.00	98.57
109.75-112.25	0	344	0.00	98.57
107.25-109.75	1	344	.29	98.57
104.75-107.25	2	343	.57	98.28
102.25-104.75	5	341	1.43	97.71
99.75-102.25	5	336	1.43	96.28
97.25-99.75	7	331	2.01	94.84
94.75-97.25	9	324	2.58	92.84
92.25-94.75	6	315	1.72	90.26
89.75-92.25	3	309	.86	88.54
87.25-89.75	6	306	1.72	87.68
84.75-87.25	4	300	1.15	85.96
82.25-84.75	8	296	2.29	84.81
79.75-82.25	10	288	2.87	82.52
77.25-79.75	7	278	2.01	79.66
74.75-77.25	6	271	1.72	77.65
72.25-74.75	9	265	2.58	75.93
69.75-72.25	7	256	2.01	73.35
67.25-69.75	12	249	3.44	71.35
64.75-67.25	7	237	2.01	67.91
62.25-64.75	15	230	4.30	65.90
59.75-62.25	15	215	4.30	61.60
57.25-59.75	4	260	1.15	57.31
54.75-57.25	14	156	4.01	56.16
52.25-54.75	17	182	4.87	52.15
49.75-52.25	17	165	4.87	47.28
47.25-49.75	17	148	4.87	42.41
44.75-47.25	13	131	3.72	37.54
42.25-44.75	23	118	6.59	33.81
39.75-42.25	20	95	5.73	27.22
37.25-39.75	16	75	4.58	21.49
34.75-37.25	20	59	5.73	16.91
32.25-34.75	8	39	2.29	11.17
29.75-32.25	9	31	2.58	8.88
27.25-29.75	9	22	2.58	6.30
24.75-27.25	7	13	2.01	3.72
22.25-24.75	5	6	1.43	1.72
19.75-22.25	0	1	0.00	.29
17.25-19.75	1	1	.29	.29

245 STRNGTH/1H 45CM P2 C				
RANGES	FFQ	CUMF	FRQX	CUMFX
122.25-124.75	1	349	.29	100.00
119.75-122.25	0	348	0.00	99.71
117.25-119.75	0	348	0.00	99.71
114.75-117.25	2	348	.57	99.71
112.25-114.75	0	346	0.00	99.24
109.75-112.25	3	346	.86	99.14
107.25-109.75	3	343	.86	98.28
104.75-107.25	5	341	1.43	97.42
102.25-104.75	4	335	1.15	95.69
99.75-102.25	3	331	.86	94.84
97.25-99.75	6	328	1.72	93.68
94.75-97.25	1	322	.29	92.26
92.25-94.75	2	321	.57	91.68
89.75-92.25	5	319	1.43	91.40
87.25-89.75	9	314	2.58	89.57
84.75-87.25	7	305	2.01	87.29
82.25-84.75	12	298	3.44	85.39
79.75-82.25	9	286	2.58	81.65
77.25-79.75	8	277	2.29	79.17
74.75-77.25	12	269	3.44	77.06
72.25-74.75	13	257	3.72	73.64
69.75-72.25	9	244	2.58	69.51
67.25-69.75	7	235	2.01	67.34
64.75-67.25	15	228	4.30	65.33
62.25-64.75	8	213	2.29	61.03
59.75-62.25	13	215	3.72	58.74
57.25-59.75	6	192	2.29	55.01
54.75-57.25	12	184	3.44	52.72
52.25-54.75	21	172	6.02	49.28
49.75-52.25	19	151	5.44	43.27
47.25-49.75	13	132	3.72	37.82
44.75-47.25	13	119	3.72	34.10
42.25-44.75	12	106	3.44	30.37
39.75-42.25	18	94	5.16	26.93
37.25-39.75	17	76	4.87	21.78
34.75-37.25	15	59	4.30	16.91
32.25-34.75	12	44	3.44	12.61
29.75-32.25	11	32	3.15	9.17
27.25-29.75	6	21	2.29	6.02
24.75-27.25	7	13	2.01	3.72
22.25-24.75	5	6	1.43	1.72
19.75-22.25	1	1	.29	.29

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

255 STRNGTH/1H 45CM M1 S				
RANGES	FFQ	CUMF	FRQX	CUMFX
103.75-105.75	1	349	.29	100.00
101.75-103.75	0	348	0.00	99.71
99.75-101.75	0	348	0.00	99.71
97.75-99.75	1	348	.29	99.71
95.75-97.75	1	347	0.00	99.43
93.75-95.75	0	347	.00	99.43
91.75-93.75	1	347	.29	99.43
89.75-91.75	1	346	.29	99.14
87.75-89.75	1	345	.29	98.85
85.75-87.75	0	344	0.00	98.57
83.75-85.75	3	344	.86	98.57
81.75-83.75	1	341	.29	97.71
79.75-81.75	2	340	.57	97.42
77.75-79.75	2	339	.57	96.85
75.75-77.75	2	336	.57	96.28
73.75-75.75	6	334	1.72	95.70
71.75-73.75	3	328	.86	93.98
69.75-71.75	6	325	1.72	93.12
67.75-69.75	3	319	.86	91.40
65.75-67.75	13	316	3.72	90.54
63.75-65.75	11	307	3.15	88.02
61.75-63.75	7	292	2.01	83.67
59.75-61.75	11	265	3.15	81.66
57.75-59.75	6	274	1.72	76.51
55.75-57.75	13	268	3.72	76.79
53.75-55.75	14	255	4.31	73.07
51.75-53.75	15	241	4.30	69.05
49.75-51.75	10	226	5.16	64.76
47.75-49.75	11	238	3.15	59.60
45.75-47.75	19	197	5.44	56.45
43.75-45.75	15	178	4.30	51.00
41.75-43.75	14	163	4.01	46.70
39.75-41.75	24	149	6.88	42.69
37.75-39.75	23	125	6.55	35.82
35.75-37.75	14	102	4.01	29.23
33.75-35.75	11	88	3.15	25.21
31.75-33.75	14	77	4.01	22.06
29.75-31.75	11	63	3.15	18.05
27.75-29.75	20	52	5.73	14.90
25.75-27.75	12	32	3.44	9.17
23.75-25.75	10	20	2.87	5.73
21.75-23.75	2	10	.57	2.87
19.75-21.75	2	8	.57	2.29
17.75-19.75	3	6	.86	1.72
15.75-17.75	1	3	.29	.86
13.75-15.75	1	2	.29	.57
11.75-13.75	1	1	.29	.29

265 STRNGTH/1H 45CM M2 S				
RANGES	FFQ	CUMF	FRQX	CUMFX
103.75-105.75	1	349	.29	100.00
101.75-103.75	0	348	0.00	99.71
99.75-101.75	0	348	0.00	99.71
97.75-99.75	1	348	.29	99.71
95.75-97.75	1	347	0.00	99.43
93.75-95.75	0	347	.00	99.43
91.75-93.75	1	347	.29	99.43
89.75-91.75	0	347	0.00	99.43
87.75-89.75	1	347	.29	99.43
85.75-87.75	0	346	0.00	99.14
83.75-85.75	2	346	.57	99.14
81.75-83.75	1	344	.29	98.57
79.75-81.75	3	343	.86	98.28
77.75-79.75	1	340	.29	97.42
75.75-77.75	10	339	2.87	97.13
73.75-75.75	3	329	.86	94.27
71.75-73.75	7	326	2.61	93.41
69.75-71.75	2	319	.57	91.40
67.75-69.75	9	317	2.58	90.83
65.75-67.75	6	308	1.72	88.25
63.75-65.75	8	302	2.29	86.53
61.75-63.75	9	294	2.58	84.24
59.75-61.75	13	285	2.87	81.66
57.75-59.75	10	275	2.87	78.89
55.75-57.75	12	265	3.44	75.83
53.75-55.75	19	247	5.44	69.63
51.75-53.75	12	224	3.44	64.18
49.75-51.75	12	212	3.44	60.74
47.75-49.75	21	200	6.02	57.31
45.75-47.75	17	179	4.87	51.29
43.75-45.75	16	162	4.54	46.42
41.75-43.75	15	146	4.30	41.83
39.75-41.75	17	131	4.87	37.54
37.75-39.75	14	114	4.01	32.66
35.75-37.75	13	100	3.72	28.65
33.75-35.75	16	87	4.54	24.93
31.75-33.75	13	71	3.72	20.34
29.75-31.75	15	58	4.30	16.62
27.75-29.75	15	43	4.30	12.32
25.75-27.75	6	28	2.29	8.02
23.75-25.75	5	20	1.43	5.73
21.75-23.75	3	15	.86	4.30
19.75-21.75	4	12	1.15	3.44
17.75-19.75	5	8	1.43	2.29
15.75-17.75	2	3	.57	.86
13.75-15.75	1	1	.29	.29

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS (IN POUNDS)

27S STRGTH/1H 45CM F1 S				28S STRGTH/1H 45CM F2 S			
RANGES	FRC	CUMF	CUMFX	RANGES	FRC	CUMF	CUMFX
113.75-115.75	1	349	.29 100.00	115.75-117.75	1	349	.29 100.00
111.75-113.75	0	348	0.00 99.71	113.75-115.75	0	348	0.00 99.71
109.75-111.75	1	348	.29 99.71	111.75-113.75	0	348	0.00 99.71
107.75-109.75	0	347	0.00 99.43	109.75-111.75	0	348	0.00 99.71
105.75-107.75	0	347	0.00 99.43	107.75-109.75	0	348	0.00 99.71
103.75-105.75	0	347	0.00 99.43	105.75-107.75	0	348	0.00 99.71
101.75-103.75	1	347	.29 99.43	103.75-105.75	0	348	0.00 99.71
99.75-101.75	0	346	0.00 99.14	101.75-103.75	1	348	.29 99.71
97.75-99.75	4	346	1.15 99.14	99.75-101.75	0	347	0.00 99.43
95.75-97.75	2	342	.57 97.99	97.75-99.75	0	347	0.00 99.43
93.75-95.75	3	340	.86 97.42	95.75-97.75	2	347	.57 99.43
91.75-93.75	2	337	.57 96.56	93.75-95.75	2	345	.57 98.85
89.75-91.75	0	335	0.00 95.99	91.75-93.75	4	347	1.15 98.28
87.75-89.75	3	335	.86 95.99	89.75-91.75	4	339	1.15 97.13
85.75-87.75	4	332	1.15 95.13	87.75-89.75	5	335	1.43 95.69
83.75-85.75	2	328	.57 93.98	85.75-87.75	2	330	.57 94.56
81.75-83.75	5	326	1.43 93.41	83.75-85.75	5	326	1.43 93.98
79.75-81.75	5	321	1.43 91.98	81.75-83.75	5	323	1.43 92.55
77.75-79.75	9	316	2.58 90.54	79.75-81.75	5	318	1.43 91.12
75.75-77.75	6	317	1.72 87.97	77.75-79.75	5	313	1.43 89.68
73.75-75.75	11	311	3.15 86.25	75.75-77.75	8	306	2.29 88.25
71.75-73.75	6	290	1.72 83.09	73.75-75.75	8	301	2.29 85.66
69.75-71.75	13	284	.72 81.38	71.75-73.75	10	292	2.87 83.67
67.75-69.75	5	271	1.43 77.65	69.75-71.75	11	282	3.15 80.80
65.75-67.75	12	266	3.44 76.22	67.75-69.75	9	271	2.58 77.65
63.75-65.75	11	254	3.15 72.78	65.75-67.75	10	262	2.87 75.07
61.75-63.75	12	243	3.44 69.63	63.75-65.75	12	252	3.44 72.21
59.75-61.75	10	231	2.87 66.19	61.75-63.75	16	240	4.58 68.77
57.75-59.75	14	221	4.81 63.32	59.75-61.75	20	224	5.73 64.18
55.75-57.75	14	207	4.01 59.31	57.75-59.75	13	204	3.72 56.45
53.75-55.75	19	193	5.44 55.30	55.75-57.75	17	191	4.87 54.73
51.75-53.75	13	174	3.72 49.86	53.75-55.75	15	174	4.30 49.85
49.75-51.75	14	161	4.01 46.13	51.75-53.75	15	159	4.30 45.56
47.75-49.75	10	147	2.87 42.12	49.75-51.75	9	144	2.58 41.26
45.75-47.75	16	137	4.58 39.26	47.75-49.75	13	135	3.72 38.68
43.75-45.75	21	121	6.82 34.67	45.75-47.75	13	122	3.72 34.96
41.75-43.75	18	100	5.16 28.65	43.75-45.75	15	109	4.30 31.23
39.75-41.75	12	82	3.44 23.50	41.75-43.75	15	94	4.30 26.93
37.75-39.75	7	70	2.01 20.06	39.75-41.75	13	79	3.72 22.64
35.75-37.75	13	63	3.72 18.05	37.75-39.75	16	66	4.58 18.91
33.75-35.75	14	50	4.91 14.33	35.75-37.75	10	51	2.87 14.33
31.75-33.75	7	36	2.01 10.32	33.75-35.75	8	41	2.29 11.46
29.75-31.75	14	29	4.01 8.31	31.75-33.75	12	32	3.44 9.17
27.75-29.75	7	15	2.01 4.30	29.75-31.75	7	20	2.01 5.73
25.75-27.75	2	8	.57 2.29	27.75-29.75	1	13	.29 3.72
23.75-25.75	0	6	0.00 1.72	25.75-27.75	3	12	.86 3.44
21.75-23.75	1	6	.29 1.72	23.75-25.75	5	9	1.43 2.58
19.75-21.75	4	5	1.15 1.43	21.75-23.75	2	4	.57 1.15
17.75-19.75	1	1	.29 .29	19.75-21.75	1	2	.29 .57
				17.75-19.75	1	1	.29 .29

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

25S STRENGTH/2H 38CM M1				
RANGES	FRC	CLPF	FRQX	CUMFX
219.75-224.75	1	349	.29	100.00
214.75-219.75	0	348	0.00	99.71
209.75-214.75	1	348	.29	99.71
204.75-209.75	0	347	0.00	99.43
199.75-204.75	2	347	.57	99.43
194.75-199.75	0	345	0.00	98.85
189.75-194.75	1	345	.29	98.85
184.75-189.75	1	344	.29	98.57
179.75-184.75	4	343	1.15	98.28
174.75-179.75	1	339	.29	97.13
169.75-174.75	4	338	1.15	96.85
164.75-169.75	5	334	1.43	95.70
159.75-164.75	9	329	2.58	94.27
154.75-159.75	5	320	1.43	91.69
149.75-154.75	4	315	1.15	90.26
144.75-149.75	10	311	2.87	89.11
139.75-144.75	10	301	2.87	86.25
134.75-139.75	13	291	3.72	83.38
129.75-134.75	8	278	2.29	79.66
124.75-129.75	13	270	3.72	77.36
119.75-124.75	13	257	3.72	73.64
114.75-119.75	23	244	5.73	69.91
109.75-114.75	21	224	6.02	64.18
104.75-109.75	24	203	6.88	58.17
99.75-104.75	20	179	5.73	51.29
94.75-99.75	15	159	4.30	45.56
89.75-94.75	20	144	5.73	41.26
84.75-89.75	20	124	5.73	35.53
79.75-84.75	17	104	4.87	29.80
74.75-79.75	14	87	4.01	24.93
69.75-74.75	16	73	4.58	20.92
64.75-69.75	14	57	4.01	16.33
59.75-64.75	13	43	2.87	12.32
54.75-59.75	9	33	2.58	9.46
49.75-54.75	8	24	2.29	6.48
44.75-49.75	8	16	2.29	4.58
39.75-44.75	4	8	1.15	2.29
34.75-39.75	1	4	.29	1.15
29.75-34.75	2	3	.57	.86
24.75-29.75	0	1	0.00	.29
19.75-24.75	1	1	.29	.29

35S STRENGTH/2H 38CM M2				
RANGES	FRC	CUMF	FRQX	CUMFX
229.75-234.75	1	349	.29	100.00
224.75-229.75	0	348	0.00	99.71
219.75-224.75	0	348	0.00	99.71
214.75-219.75	1	346	.29	99.71
209.75-214.75	1	347	.29	99.43
204.75-209.75	1	346	.29	99.14
199.75-204.75	1	345	.29	98.85
194.75-199.75	2	344	.57	98.57
189.75-194.75	2	342	.57	97.99
184.75-189.75	1	340	.29	97.42
179.75-184.75	3	339	.86	97.13
174.75-179.75	3	326	.86	96.28
169.75-174.75	3	333	.86	95.42
164.75-169.75	3	330	.86	94.56
159.75-164.75	8	327	2.29	93.70
154.75-159.75	6	319	1.72	91.40
149.75-154.75	8	313	2.29	89.68
144.75-149.75	13	305	3.72	87.39
139.75-144.75	7	292	2.01	83.67
134.75-139.75	13	285	3.72	81.66
129.75-134.75	14	272	4.01	77.94
124.75-129.75	17	258	4.87	73.93
119.75-124.75	21	241	6.02	69.05
114.75-119.75	16	220	4.58	63.04
109.75-114.75	21	204	6.02	58.45
104.75-109.75	16	183	4.58	52.44
99.75-104.75	13	167	3.72	47.65
94.75-99.75	15	154	4.30	44.13
89.75-94.75	21	139	6.02	39.81
84.75-89.75	18	118	5.16	33.83
79.75-84.75	21	100	6.02	28.65
74.75-79.75	8	79	2.29	22.64
69.75-74.75	25	71	7.16	20.34
64.75-69.75	13	46	3.72	13.18
59.75-64.75	6	33	1.72	9.46
54.75-59.75	8	27	2.29	7.74
49.75-54.75	9	19	2.58	5.44
44.75-49.75	5	10	1.43	2.87
39.75-44.75	2	5	.57	1.43
34.75-39.75	3	3	.86	.86

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

31S STRAGTH/2H 38CM F1				
RANGES	FRC	CUMF	FRQZ	CUMFX
224.75-229.75	1	349	.29	100.00
219.75-224.75	1	348	.25	99.71
214.75-219.75	1	347	.29	99.43
209.75-214.75	1	346	.29	99.14
204.75-209.75	1	345	.25	98.85
199.75-204.75	3	344	.86	98.57
194.75-199.75	2	341	.57	97.71
189.75-194.75	3	339	.86	97.13
184.75-189.75	5	336	1.43	96.28
179.75-184.75	2	331	.57	94.84
174.75-179.75	4	329	1.15	94.27
169.75-174.75	6	325	1.72	93.12
164.75-169.75	12	319	3.44	91.40
159.75-164.75	9	307	2.58	87.57
154.75-159.75	10	298	2.87	85.39
149.75-154.75	8	288	2.29	82.52
144.75-149.75	12	280	3.44	81.23
139.75-144.75	12	258	3.72	76.79
134.75-139.75	9	255	2.58	73.07
129.75-134.75	16	246	4.58	70.49
124.75-129.75	24	230	6.88	65.90
119.75-124.75	19	206	5.44	59.03
114.75-119.75	16	187	4.58	53.58
109.75-114.75	24	171	6.88	49.60
104.75-109.75	18	147	5.16	42.12
99.75-104.75	18	129	5.16	36.96
94.75-99.75	14	111	4.01	31.81
89.75-94.75	23	57	6.59	27.79
84.75-89.75	11	74	3.15	21.20
79.75-84.75	13	63	3.72	18.05
74.75-79.75	10	50	2.87	14.33
69.75-74.75	13	40	3.72	11.46
64.75-69.75	4	27	1.15	7.74
59.75-64.75	5	23	1.43	6.59
54.75-59.75	7	18	2.01	5.16
49.75-54.75	5	11	1.43	3.15
44.75-49.75	3	6	.86	1.72
39.75-44.75	2	3	.57	.86
34.75-39.75	0	1	0.00	.29
29.75-34.75	0	1	0.00	.29
24.75-29.75	1	1	.29	.29

32S STRAGTH/2H 38CM P2				
RANGES	FRC	CUMF	FRQZ	CUMFX
239.75-244.75	1	349	.25	100.00
234.75-239.75	0	348	0.00	99.71
229.75-234.75	1	348	.29	99.71
224.75-229.75	1	347	.29	99.43
219.75-224.75	1	346	.29	99.14
214.75-219.75	1	345	.29	98.85
209.75-214.75	1	344	.29	98.57
204.75-209.75	4	343	1.15	98.28
199.75-204.75	3	339	.86	97.13
194.75-199.75	2	336	.57	96.28
189.75-194.75	3	334	.86	95.70
184.75-189.75	5	331	1.43	94.84
179.75-184.75	4	320	1.15	93.41
174.75-179.75	4	322	1.15	92.26
169.75-174.75	4	318	1.15	91.12
164.75-169.75	9	314	2.58	89.57
159.75-164.75	8	305	2.29	87.39
154.75-159.75	13	297	3.72	85.10
149.75-154.75	11	284	3.15	81.38
144.75-149.75	11	273	3.15	78.22
139.75-144.75	19	262	5.44	75.07
134.75-139.75	24	243	6.88	69.83
129.75-134.75	20	219	5.73	62.75
124.75-129.75	10	199	2.87	57.02
119.75-124.75	15	189	4.30	54.15
114.75-119.75	15	174	5.44	49.66
109.75-114.75	17	155	4.87	44.41
104.75-109.75	12	138	3.44	39.54
99.75-104.75	21	126	6.02	36.10
94.75-99.75	13	105	3.72	33.09
89.75-94.75	17	92	4.87	29.36
84.75-89.75	15	75	4.30	21.49
79.75-84.75	20	60	5.73	17.19
74.75-79.75	5	40	1.43	11.46
69.75-74.75	9	35	2.29	10.23
64.75-69.75	9	27	2.58	7.74
59.75-64.75	4	18	1.15	5.16
54.75-59.75	8	14	2.29	4.01
49.75-54.75	2	6	.57	1.72
44.75-49.75	1	4	.29	1.15
39.75-44.75	2	3	.57	.86
34.75-39.75	1	1	.29	.29

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS
(IN POUNDS)

33S STRNGTH/2H 50CM F1			
RANGES	FRQ	CUMF	CUMFX
174.75-179.75	1	349	.29 100.00
169.75-174.75	1	348	.29 99.71
164.75-169.75	1	347	.29 99.43
159.75-164.75	2	346	.57 99.14
154.75-159.75	4	344	1.15 98.57
149.75-154.75	0	340	0.00 97.42
144.75-149.75	2	340	.57 97.42
139.75-144.75	2	338	.57 96.85
134.75-139.75	5	336	1.43 96.28
129.75-134.75	5	331	1.43 94.84
124.75-129.75	14	326	4.01 93.41
119.75-124.75	8	312	2.29 89.40
114.75-119.75	12	304	3.44 87.11
109.75-114.75	21	292	6.02 83.67
104.75-109.75	20	271	5.73 77.65
99.75-104.75	20	251	5.73 71.92
94.75-99.75	24	231	6.88 68.19
89.75-94.75	22	207	6.30 59.31
84.75-89.75	22	185	6.30 53.01
79.75-84.75	15	163	4.30 46.70
74.75-79.75	22	140	6.30 42.41
69.75-74.75	18	126	5.16 36.10
64.75-69.75	27	108	7.74 30.95
59.75-64.75	19	81	5.44 23.21
54.75-59.75	15	62	4.30 17.77
49.75-54.75	14	47	4.01 13.47
44.75-49.75	18	33	5.16 9.46
39.75-44.75	6	15	2.29 4.30
34.75-39.75	3	7	.86 2.01
29.75-34.75	1	4	.29 1.15
24.75-29.75	3	3	.86 .86

34S STRNGTH/2H 50CM M2			
RANGES	FRQ	CUMF	CUMFX
174.75-179.75	1	349	.29 100.00
169.75-174.75	0	348	0.00 99.71
164.75-169.75	1	348	.29 99.71
159.75-164.75	2	347	.57 99.43
154.75-159.75	4	345	1.15 98.85
149.75-154.75	2	341	.57 97.71
144.75-149.75	3	339	.86 97.13
139.75-144.75	7	336	2.01 96.28
134.75-139.75	1	329	.29 94.27
129.75-134.75	15	328	4.30 93.98
124.75-129.75	8	313	2.29 89.68
119.75-124.75	15	305	4.30 87.39
114.75-119.75	13	290	3.72 83.09
109.75-114.75	13	277	3.72 79.37
104.75-109.75	19	264	5.44 75.64
99.75-104.75	14	245	4.01 70.20
94.75-99.75	28	231	5.02 66.19
89.75-94.75	22	203	6.30 58.17
84.75-89.75	22	181	6.30 51.86
79.75-84.75	28	159	8.02 45.56
74.75-79.75	19	131	5.44 37.54
69.75-74.75	17	112	4.87 32.09
64.75-69.75	14	95	4.01 27.22
59.75-64.75	19	81	5.44 23.21
54.75-59.75	21	62	6.02 17.77
49.75-54.75	17	41	4.87 11.75
44.75-49.75	11	24	3.15 6.88
39.75-44.75	6	13	1.72 3.72
34.75-39.75	4	7	1.15 2.01
29.75-34.75	1	3	.29 .86
24.75-29.75	2	2	.57 .57

FREQUENCY TABLES FOR WOMEN'S STATIC STRENGTH MEASUREMENTS (IN POUNDS)

3ES STRNGTH/2H 50CM F1			
RANGES	FREQ	CUMF	CUMFX
194.75-199.75	1	349	.29 100.00
189.75-194.75	2	348	.57 99.71
184.75-189.75	0	346	0.00 99.14
179.75-184.75	2	346	.57 99.14
174.75-179.75	2	344	.57 98.57
169.75-174.75	0	342	0.00 97.99
164.75-169.75	4	342	1.15 97.99
159.75-164.75	1	338	.29 96.85
154.75-159.75	2	337	.57 96.56
149.75-154.75	3	335	.86 95.99
144.75-149.75	6	332	1.72 95.13
139.75-144.75	7	326	2.01 93.41
134.75-139.75	10	319	2.87 91.40
129.75-134.75	13	309	3.72 88.54
124.75-129.75	20	286	5.73 84.81
119.75-124.75	23	276	6.59 79.68
114.75-119.75	16	253	4.56 72.49
109.75-114.75	19	237	5.44 67.91
104.75-109.75	21	218	6.02 62.46
99.75-104.75	17	197	4.87 56.45
94.75-99.75	15	140	5.44 51.58
89.75-94.75	21	161	6.02 46.13
84.75-89.75	19	140	5.44 40.11
79.75-84.75	21	121	6.02 34.67
74.75-79.75	19	100	5.44 28.65
69.75-74.75	17	81	4.87 23.21
64.75-69.75	15	64	4.30 18.34
59.75-64.75	14	49	4.01 14.04
54.75-59.75	14	35	4.31 10.03
49.75-54.75	12	21	3.44 6.02
44.75-49.75	5	9	1.43 2.50
39.75-44.75	1	4	.29 1.15
34.75-39.75	0	3	0.00 .86
29.75-34.75	3	3	.86 .86

3ES STRNGTH/2H 50CM P2			
RANGES	FREQ	CUMF	CUMFX
199.75-204.75	1	349	.29 100.00
194.75-199.75	0	348	0.00 99.71
189.75-194.75	1	348	.29 99.71
184.75-189.75	1	347	.29 99.43
179.75-184.75	2	346	.57 99.14
174.75-179.75	2	344	.57 98.57
169.75-174.75	2	342	.57 97.99
164.75-169.75	0	340	0.00 97.42
159.75-164.75	5	340	1.43 97.42
154.75-159.75	4	335	1.15 95.99
149.75-154.75	7	331	2.01 94.24
144.75-149.75	5	324	1.43 92.84
139.75-144.75	8	319	2.29 91.40
134.75-139.75	15	311	4.33 88.11
129.75-134.75	11	296	3.15 84.11
124.75-129.75	16	265	4.58 81.66
119.75-124.75	15	269	4.39 77.08
114.75-119.75	16	254	4.58 72.78
109.75-114.75	20	238	7.45 68.19
104.75-109.75	18	212	9.16 60.74
99.75-104.75	22	194	6.30 55.59
94.75-99.75	14	172	4.01 49.28
89.75-94.75	24	158	6.88 45.27
84.75-89.75	21	134	8.02 38.40
79.75-84.75	19	113	5.44 32.38
74.75-79.75	9	94	2.58 26.93
69.75-74.75	21	85	6.02 24.36
64.75-69.75	20	64	5.73 18.34
59.75-64.75	14	44	4.01 12.61
54.75-59.75	12	31	3.44 8.60
49.75-54.75	10	18	2.87 5.16
44.75-49.75	2	8	.57 2.29
39.75-44.75	2	6	.57 1.72
34.75-39.75	3	4	.86 1.15
29.75-34.75	1	1	.29 .29

APPENDIX B

XVAL COMPUTER PRINTOUTS

The following pages contain computer printouts for the core series and each of the four subseries for the XVAL (=eXtreme VALue) program. These printouts represent the data after the editing described in Chapter II had been completed.

These printouts provide, for each variable, the following values:

- a. the ten smallest values and the associated subject numbers;
- b. the ten largest values and the associated subject numbers;
- c. the mean value based on all the data;
- d. the standard deviation based on all the data;
- e. the coefficient of variation;
- f. B_1 , the measure of symmetry;
- g. B_2 , the measure of kurtosis;
- h. the mean value based on all the data except the 20 extreme values (those listed here): "(N-20)-AVG EST";
- i. the standard deviation estimated on the basis of all the data except the 20 extreme values (a truncated normal distribution is assumed): "(N-20)-S.D. PST";
- j. the difference between the two mean values (items c and h) expressed as a percent of the estimated standard deviation (item i);
- k. the difference between the two standard deviation values (items d and i) similarly expressed;
- l. the number of non-zero values.

The data values are in the units in which they were measured with a few exceptions. Most values are in millimeters. Skinfolds, although measured in millimeters, were recorded in tenths of millimeters. The static strength values are in tenths of pounds. The weights were measured to the quarter-pound and punched as tenths of pounds.

B-1. XVAL FOR THE CORE MEASUREMENTS

This XVAL printout covers the 69 core measurements as computed on the basis of the 1331 subjects.

7-101212

MOHLEN'S ARMY CORPS SURVEY #76, CORL MEASUREMENTS

STATISTICS FOR VARIABLES 25 THROUGH 32

	25	26	27	28	29	30	31	32
	SHOULDER	CHEST GAT SCYE	QUST CIRC	CHEST C R	MAIST CIRC	HIP CIRC	VERTICAL	ARM CIRC
	CIP-UNIF		DIFFERENCE	ELON DYST	CONFERENCE	REFERENCE	TRUNK GIR	AT SCYE
	VALUE SUBJECT	VALUE SUBJECT	VALUE SUBJECT	VALUE SUBJECT	VALUE SUBJECT	VALUE SUBJECT	VALUE SUBJECT	VALUE SUBJECT
1ST SMALLEST	452.8	718.8	689.8	424.8	988.8	778.8	1382.8	318.8
2ND SMALLEST	453.8	719.8	690.8	425.8	989.8	779.8	1383.8	319.8
3RD SMALLEST	454.8	720.8	691.8	426.8	990.8	780.8	1384.8	320.8
4TH SMALLEST	455.8	721.8	692.8	427.8	991.8	781.8	1385.8	321.8
5TH SMALLEST	456.8	722.8	693.8	428.8	992.8	782.8	1386.8	322.8
6TH SMALLEST	457.8	723.8	694.8	429.8	993.8	783.8	1387.8	323.8
7TH SMALLEST	458.8	724.8	695.8	430.8	994.8	784.8	1388.8	324.8
8TH SMALLEST	459.8	725.8	696.8	431.8	995.8	785.8	1389.8	325.8
9TH SMALLEST	460.8	726.8	697.8	432.8	996.8	786.8	1390.8	326.8
10TH SMALLEST	461.8	727.8	698.8	433.8	997.8	787.8	1391.8	327.8
11TH SMALLEST	462.8	728.8	699.8	434.8	998.8	788.8	1392.8	328.8
12TH SMALLEST	463.8	729.8	700.8	435.8	999.8	789.8	1393.8	329.8
13TH SMALLEST	464.8	730.8	701.8	436.8	1000.8	790.8	1394.8	330.8
14TH SMALLEST	465.8	731.8	702.8	437.8	1001.8	791.8	1395.8	331.8
15TH SMALLEST	466.8	732.8	703.8	438.8	1002.8	792.8	1396.8	332.8
16TH SMALLEST	467.8	733.8	704.8	439.8	1003.8	793.8	1397.8	333.8
17TH SMALLEST	468.8	734.8	705.8	440.8	1004.8	794.8	1398.8	334.8
18TH SMALLEST	469.8	735.8	706.8	441.8	1005.8	795.8	1399.8	335.8
19TH SMALLEST	470.8	736.8	707.8	442.8	1006.8	796.8	1400.8	336.8
20TH SMALLEST	471.8	737.8	708.8	443.8	1007.8	797.8	1401.8	337.8
21TH SMALLEST	472.8	738.8	709.8	444.8	1008.8	798.8	1402.8	338.8
22TH SMALLEST	473.8	739.8	710.8	445.8	1009.8	799.8	1403.8	339.8
23TH SMALLEST	474.8	740.8	711.8	446.8	1010.8	800.8	1404.8	340.8
24TH SMALLEST	475.8	741.8	712.8	447.8	1011.8	801.8	1405.8	341.8
25TH SMALLEST	476.8	742.8	713.8	448.8	1012.8	802.8	1406.8	342.8
26TH SMALLEST	477.8	743.8	714.8	449.8	1013.8	803.8	1407.8	343.8
27TH SMALLEST	478.8	744.8	715.8	450.8	1014.8	804.8	1408.8	344.8
28TH SMALLEST	479.8	745.8	716.8	451.8	1015.8	805.8	1409.8	345.8
29TH SMALLEST	480.8	746.8	717.8	452.8	1016.8	806.8	1410.8	346.8
30TH SMALLEST	481.8	747.8	718.8	453.8	1017.8	807.8	1411.8	347.8
31TH SMALLEST	482.8	748.8	719.8	454.8	1018.8	808.8	1412.8	348.8
32TH SMALLEST	483.8	749.8	720.8	455.8	1019.8	809.8	1413.8	349.8
33TH SMALLEST	484.8	750.8	721.8	456.8	1020.8	810.8	1414.8	350.8
34TH SMALLEST	485.8	751.8	722.8	457.8	1021.8	811.8	1415.8	351.8
35TH SMALLEST	486.8	752.8	723.8	458.8	1022.8	812.8	1416.8	352.8
36TH SMALLEST	487.8	753.8	724.8	459.8	1023.8	813.8	1417.8	353.8
37TH SMALLEST	488.8	754.8	725.8	460.8	1024.8	814.8	1418.8	354.8
38TH SMALLEST	489.8	755.8	726.8	461.8	1025.8	815.8	1419.8	355.8
39TH SMALLEST	490.8	756.8	727.8	462.8	1026.8	816.8	1420.8	356.8
40TH SMALLEST	491.8	757.8	728.8	463.8	1027.8	817.8	1421.8	357.8
41TH SMALLEST	492.8	758.8	729.8	464.8	1028.8	818.8	1422.8	358.8
42TH SMALLEST	493.8	759.8	730.8	465.8	1029.8	819.8	1423.8	359.8
43TH SMALLEST	494.8	760.8	731.8	466.8	1030.8	820.8	1424.8	360.8
44TH SMALLEST	495.8	761.8	732.8	467.8	1031.8	821.8	1425.8	361.8
45TH SMALLEST	496.8	762.8	733.8	468.8	1032.8	822.8	1426.8	362.8
46TH SMALLEST	497.8	763.8	734.8	469.8	1033.8	823.8	1427.8	363.8
47TH SMALLEST	498.8	764.8	735.8	470.8	1034.8	824.8	1428.8	364.8
48TH SMALLEST	499.8	765.8	736.8	471.8	1035.8	825.8	1429.8	365.8
49TH SMALLEST	500.8	766.8	737.8	472.8	1036.8	826.8	1430.8	366.8
50TH SMALLEST	501.8	767.8	738.8	473.8	1037.8	827.8	1431.8	367.8
51TH SMALLEST	502.8	768.8	739.8	474.8	1038.8	828.8	1432.8	368.8
52TH SMALLEST	503.8	769.8	740.8	475.8	1039.8	829.8	1433.8	369.8
53TH SMALLEST	504.8	770.8	741.8	476.8	1040.8	830.8	1434.8	370.8
54TH SMALLEST	505.8	771.8	742.8	477.8	1041.8	831.8	1435.8	371.8
55TH SMALLEST	506.8	772.8	743.8	478.8	1042.8	832.8	1436.8	372.8
56TH SMALLEST	507.8	773.8	744.8	479.8	1043.8	833.8	1437.8	373.8
57TH SMALLEST	508.8	774.8	745.8	480.8	1044.8	834.8	1438.8	374.8
58TH SMALLEST	509.8	775.8	746.8	481.8	1045.8	835.8	1439.8	375.8
59TH SMALLEST	510.8	776.8	747.8	482.8	1046.8	836.8	1440.8	376.8
60TH SMALLEST	511.8	777.8	748.8	483.8	1047.8	837.8	1441.8	377.8
61TH SMALLEST	512.8	778.8	749.8	484.8	1048.8	838.8	1442.8	378.8
62TH SMALLEST	513.8	779.8	750.8	485.8	1049.8	839.8	1443.8	379.8
63TH SMALLEST	514.8	780.8	751.8	486.8	1050.8	840.8	1444.8	380.8
64TH SMALLEST	515.8	781.8	752.8	487.8	1051.8	841.8	1445.8	381.8
65TH SMALLEST	516.8	782.8	753.8	488.8	1052.8	842.8	1446.8	382.8
66TH SMALLEST	517.8	783.8	754.8	489.8	1053.8	843.8	1447.8	383.8
67TH SMALLEST	518.8	784.8	755.8	490.8	1054.8	844.8	1448.8	384.8
68TH SMALLEST	519.8	785.8	756.8	491.8	1055.8	845.8	1449.8	385.8
69TH SMALLEST	520.8	786.8	757.8	492.8	1056.8	846.8	1450.8	386.8
70TH SMALLEST	521.8	787.8	758.8	493.8	1057.8	847.8	1451.8	387.8
71TH SMALLEST	522.8	788.8	759.8	494.8	1058.8	848.8	1452.8	388.8
72TH SMALLEST	523.8	789.8	760.8	495.8	1059.8	849.8	1453.8	389.8
73TH SMALLEST	524.8	790.8	761.8	496.8	1060.8	850.8	1454.8	390.8
74TH SMALLEST	525.8	791.8	762.8	497.8	1061.8	851.8	1455.8	391.8
75TH SMALLEST	526.8	792.8	763.8	498.8	1062.8	852.8	1456.8	392.8
76TH SMALLEST	527.8	793.8	764.8	499.8	1063.8	853.8	1457.8	393.8
77TH SMALLEST	528.8	794.8	765.8	500.8	1064.8	854.8	1458.8	394.8
78TH SMALLEST	529.8	795.8	766.8	501.8	1065.8	855.8	1459.8	395.8
79TH SMALLEST	530.8	796.8	767.8	502.8	1066.8	856.8	1460.8	396.8
80TH SMALLEST	531.8	797.8	768.8	503.8	1067.8	857.8	1461.8	397.8
81TH SMALLEST	532.8	798.8	769.8	504.8	1068.8	858.8	1462.8	398.8
82TH SMALLEST	533.8	799.8	770.8	505.8	1069.8	859.8	1463.8	399.8
83TH SMALLEST	534.8	800.8	771.8	506.8	1070.8	860.8	1464.8	400.8
84TH SMALLEST	535.8	801.8	772.8	507.8	1071.8	861.8	1465.8	401.8
85TH SMALLEST	536.8	802.8	773.8	508.8	1072.8	862.8	1466.8	402.8
86TH SMALLEST	537.8	803.8	774.8	509.8	1073.8	863.8	1467.8	403.8
87TH SMALLEST	538.8	804.8	775.8	510.8	1074.8	864.8	1468.8	404.8
88TH SMALLEST	539.8	805.8	776.8	511.8	1075.8	865.8	1469.8	405.8
89TH SMALLEST	540.8	806.8	777.8	512.8	1076.8	866.8	1470.8	406.8
90TH SMALLEST	541.8	807.8	778.8	513.8	1077.8	867.8	1471.8	407.8
91TH SMALLEST	542.8	808.8	779.8	514.8	1078.8	868.8	1472.8	408.8
92TH SMALLEST	543.8	809.8	780.8	515.8	1079.8	869.8	1473.8	409.8
93TH SMALLEST	544.8	810.8	781.8	516.8	1080.8	870.8	1474.8	410.8
94TH SMALLEST	545.8	811.8	782.8	517.8	1081.8	871.8	1475.8	411.8
95TH SMALLEST	546.8	812.8	783.8	518.8	1082.8	872.8	1476.8	412.8
96TH SMALLEST	547.8	813.8	784.8	519.8	1083.8	873.8	1477.8	413.8
97TH SMALLEST	548.8	814.8	785.8	520.8	1084.8	874.8	1478.8	414.8
98TH SMALLEST	549.8	815.8	786.8	521.8	1085.8	875.8	1479.8	415.8
99TH SMALLEST	550.8	816.8	787.8	522.8	1086.8	876.8	1480.8	416.8
100TH SMALLEST	551.8	817.8	788.8	523.8	1087.8	877.8	1481.8	417.8
101TH SMALLEST	552.8	818.8	789.8	524.8	1088.8	878.8	1482.8	418.8
102TH SMALLEST	553.8	819.8	790.8	525.8	1089.8	879.8	1483.8	419.8
103TH SMALLEST	554.8	820.8	791.8	526.8	1090.8	880.8	1484.8	420.8
104TH SMALLEST	555.8	821.8	792.8	527.8	1091.8	881.8	1485.8	421.8
105TH SMALLEST	556.8	822.8	793.8	528.8	1092.8	882.8	1486.8	422.8
106TH SMALLEST	557.8	823.8	794.8	529.8	1093.8	883.8	1487.8	423.8
107TH SMALLEST	558.8	824.8	795.8	530.8	1094.8	884.8	1488.8	424.8
108TH SMALLEST	559.8	825.8	796.8	531.8	1095.8	885.8	1489.8	425.8
109TH SMALLEST	560.8	826.8	797.8	532.8	1096.8	886.8	1490.8	426.8
110TH SMALLEST	561.8	827.8	798.8	533.8	1097.8	887.8	1491.8	427.8
111TH SMALLEST	562.8	828.8	799.8	534.8	1098.8	888.8	1492.8	428.8
112TH SMALLEST	563.8	829.8	800.8	535.8	1099.8	889.8	1493.8	429.8
113TH SMALLEST	564.8	830.8	801.8	536.8	1100.8	890.8	1494.8	430.8
114TH SMALLEST	565.8	831.8	802.8	537.8	1101.8	891.8	1495.8	431.8
115TH SMALLEST	566.8	832.8	803.8	538.8	1102.8	892.8	1496.8	432.8
116TH SMALLEST	567.8	833.8	804.8	539.8	1103.8	893.8	1497.8	433.8
117TH SMALLEST	568.8	834.8	805.8	540.8	1104.8	894.8	1498.8	434.8
118TH SMALLEST	569.8	835.8	806.8	541.8	1105.8	895.8	1499.8	435.8
119TH SMALLEST	570.8	836.8	807.8	542.8	1106.8	896.8	1500.8	436.8
120TH SMALLEST	571.8	837.8	808.8	543.8	1107.8	897.8	1501.8	437.8
121TH SMALLEST	572.8	838.8	809.8	544.8	1108.8	898.8	1502.8	438.8
122TH SMALLEST	573.8	839.8	810.8					

31	32	33	34	35	36	37	38	39	40
RIGIDS C1	ELOOD C1R	LOCHEM C	WALST C1R	UPPER TH1	KNEE C1R	CALF C1R	ANKLE C1R		
RC, FLDO	C, FLDO	LOCHEM C	WALST C1R	UPPER TH1	KNEE C1R	CALF C1R	ANKLE C1R		
VALUA SUBJECT	VALUA SUBJECT	VALUA SUBJECT	VALUA SUBJECT	VALUA SUBJECT	VALUA SUBJECT	VALUA SUBJECT	VALUA SUBJECT		
1ST SMALLEST	288.8	145	215.8	824	288.5	195	279.8	499	107.8
2ND SMALLEST	289.0	146	217.0	824	289.0	195	279.8	499	107.8
3RD SMALLEST	289.2	147	217.2	824	289.2	195	279.8	499	107.8
4TH SMALLEST	289.4	148	217.4	824	289.4	195	279.8	499	107.8
5TH SMALLEST	289.6	149	217.6	824	289.6	195	279.8	499	107.8
6TH SMALLEST	289.8	150	217.8	824	289.8	195	279.8	499	107.8
7TH SMALLEST	289.9	151	217.9	824	289.9	195	279.8	499	107.8
8TH SMALLEST	290.0	152	218.0	824	290.0	195	279.8	499	107.8
9TH SMALLEST	290.1	153	218.1	824	290.1	195	279.8	499	107.8
10TH SMALLEST	290.2	154	218.2	824	290.2	195	279.8	499	107.8
11TH SMALLEST	290.3	155	218.3	824	290.3	195	279.8	499	107.8
12TH SMALLEST	290.4	156	218.4	824	290.4	195	279.8	499	107.8
13TH SMALLEST	290.5	157	218.5	824	290.5	195	279.8	499	107.8
14TH SMALLEST	290.6	158	218.6	824	290.6	195	279.8	499	107.8
15TH SMALLEST	290.7	159	218.7	824	290.7	195	279.8	499	107.8
16TH SMALLEST	290.8	160	218.8	824	290.8	195	279.8	499	107.8
17TH SMALLEST	290.9	161	218.9	824	290.9	195	279.8	499	107.8
18TH SMALLEST	291.0	162	219.0	824	291.0	195	279.8	499	107.8
19TH SMALLEST	291.1	163	219.1	824	291.1	195	279.8	499	107.8
20TH SMALLEST	291.2	164	219.2	824	291.2	195	279.8	499	107.8
21TH SMALLEST	291.3	165	219.3	824	291.3	195	279.8	499	107.8
22TH SMALLEST	291.4	166	219.4	824	291.4	195	279.8	499	107.8
23TH SMALLEST	291.5	167	219.5	824	291.5	195	279.8	499	107.8
24TH SMALLEST	291.6	168	219.6	824	291.6	195	279.8	499	107.8
25TH SMALLEST	291.7	169	219.7	824	291.7	195	279.8	499	107.8
26TH SMALLEST	291.8	170	219.8	824	291.8	195	279.8	499	107.8
27TH SMALLEST	291.9	171	219.9	824	291.9	195	279.8	499	107.8
28TH SMALLEST	292.0	172	220.0	824	292.0	195	279.8	499	107.8
29TH SMALLEST	292.1	173	220.1	824	292.1	195	279.8	499	107.8
30TH SMALLEST	292.2	174	220.2	824	292.2	195	279.8	499	107.8
31TH SMALLEST	292.3	175	220.3	824	292.3	195	279.8	499	107.8
32TH SMALLEST	292.4	176	220.4	824	292.4	195	279.8	499	107.8
33TH SMALLEST	292.5	177	220.5	824	292.5	195	279.8	499	107.8
34TH SMALLEST	292.6	178	220.6	824	292.6	195	279		

WOMEN'S ARMY CORPS SURVEY '76, CORE MEASUREMENTS

STATISTICS FOR VARIABLES 49 THROUGH 56

[illegible]

WOMEN'S ARMY CORPS SURVEY '76. COME MEASUREMENTS

STATISTICS FOR VARIABLES 57 THROUGH 64

57	58	59	60	61	62	63	64
PALM LENG	HAND AREA	HAND CIRC	HAND LENG	INSTP LE	FOOT LENG	HEEL-ANKL	FOOT AREA
TH	OTH	UMPERENCE	TH	NGTH	TH	E CIRCUMF	OTH
VALUE SUBJECT	VALUE SUBJECT	VALUE SUBJECT	VALUE SUBJECT	VALUE SUBJECT	VALUE SUBJECT	VALUE SUBJECT	VALUE SUBJECT
1ST SMALLEST	96.8	150.6	98.8	139.8	138.6	288.8	1371
2ND SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
3RD SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
4TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
5TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
6TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
7TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
8TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
9TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
10TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
11TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
12TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
13TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
14TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
15TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
16TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
17TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
18TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
19TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
20TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
21TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
22TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
23TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
24TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
25TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
26TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
27TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
28TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
29TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
30TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
31TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
32TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
33TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
34TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
35TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
36TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
37TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
38TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
39TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
40TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
41TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
42TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
43TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
44TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
45TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
46TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
47TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
48TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
49TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
50TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
51TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
52TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
53TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
54TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
55TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
56TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
57TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
58TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
59TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
60TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
61TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
62TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
63TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
64TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
65TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
66TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
67TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
68TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
69TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
70TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
71TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
72TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
73TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
74TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
75TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
76TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
77TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
78TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
79TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
80TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
81TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
82TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
83TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
84TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
85TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
86TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
87TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
88TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
89TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
90TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
91TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
92TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
93TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
94TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
95TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
96TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
97TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
98TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
99TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371
100TH SMALLEST	97.8	150.6	98.8	139.8	138.6	288.8	1371

90.03	78.19	184.37	174.33	178.33	243.19	307.30	88.86
STD. DEVIATION	8.23	10.37	9.17	9.82	12.12	14.77	5.19
CORR.VARIATION	9.29	6.44	9.17	9.82	12.12	14.77	5.19
VECTA ONE	-18	-25	-25	-25	-25	-25	-25
VECTA TWO	2.95	2.84	2.83	2.83	3.12	2.98	3.19
IN-201-AVG EST	98.02	78.19	184.37	174.33	178.33	243.19	307.30
IN-201-S.E. EST	5.24	3.89	8.88	9.05	10.59	12.59	5.12
PCT DIFF/MEANS	0.	0.	0.	0.	0.	0.	0.
PCT DIFF/STD DEV	-0.	-0.	-0.	-0.	-0.	-0.	-0.
SIZE OF SAMPLE	1331	1331	1331	1331	1331	1331	1331

WOMEN'S ARMY CORPS SURVEY '76, CORE MEASUREMENTS

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	SS	HVEL AREA DTM	FOUT CIRC DIFFERENCE	INSTAP CI COUNTS	ANKLE HGT GWT	SPLYSTOM HEIGHT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT	VALUE SBJCT
1ST SMALLEST	58.6	710	195.8	281.0	126.6	88.6	944	88.6	472	
2ND SMALLEST	58.6	698	197.8	1283	281.0	842	931	47.0	47	
3RD SMALLEST	51.6	1249	197.8	991	281.8	154	856	49.8	215	
4TH SMALLEST	51.6	959	197.8	718	281.1	155	856	58.0	167	
5TH SMALLEST	51.8	379	198.0	856	285.6	352	89.0	271	58.0	137
6TH SMALLEST	51.0	708	198.8	361	287.6	1189	86.6	1277	58.0	49
7TH SMALLEST	51.6	594	199.0	195	287.8	1155	88.0	1242	51.0	135
8TH SMALLEST	51.6	509	200.8	184	287.8	1185	88.0	1185	51.0	135
9TH SMALLEST	52.0	509	200.8	944	287.8	944	88.0	1185	51.0	135
10TH SMALLEST	52.0	514	208.6	155	288.0	946	87.0	942	51.0	118

11TH LARGEST	72.0	60	288.0	769	278.0	250	148.0	537	78.0	979
12TH LARGEST	72.0	171	288.0	938	278.0	679	148.0	558	78.0	1143
13TH LARGEST	72.0	506	259.8	786	271.0	310	148.0	661	78.0	1188
14TH LARGEST	72.0	784	259.8	687	271.6	411	148.0	381	78.0	718
15TH LARGEST	72.0	911	281.0	534	271.6	1119	142.0	339	78.0	8856
16TH LARGEST	72.0	928	282.8	75	272.0	1282	142.0	716	88.0	1187
17TH LARGEST	72.8	518	282.8	784	278.0	734	148.0	317	48.0	1291
18TH LARGEST	72.8	434	282.8	1257	278.0	101	148.0	388	48.0	1813
19TH LARGEST	72.8	138	282.8	1257	278.0	101	148.0	388	48.0	1813
20TH LARGEST	76.0	587	272.6	557	277.6	350	148.0	392	88.0	1156
THE MEAN VALUE	68.69		226.69	234.88		188.36		65.82		
STD. DEVIATION	4.11		11.45	12.64		5.93				
SCOFF/VARIATION	6.75		5.06	5.38		9.37		8.88		
VETA ONE	3.10		.22	J-81		.23		-8.6		
VETA TWO	3.10		3.13	J-81		3.38		3.18		
(N=28)-AVC EST	68.67		226.03	234.74		188.48		65.83		
(N=28)-S.D.EST	4.13		11.42	12.64		10.11		5.82		
PCI DIFF/NEWS	0.0		1.0	8.0		1.0		8.0		
PCF DIP/SI DYS	-0.0		0.0	-8.0		1.0		8.0		
SIZE OF SAMPLE	1331		1331	1331		1331		1331		1331

A SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER ON THE PRECEDING PAGES OR ON THE PUNCHED RANGE CARDS

NO.	VARIABLE NAME	MEAN	STD DEV	V-1	V-2	V	OLIM DELS	N	MINIMUM	MAX	AVG	INTVL	INTV2	CF1	CF2
1	HEIGHT	1322.19	151.56	60	5.90	10.5X	1.5	3.1	1331	880.0	147.5	5275.9	01322.0	80.00	58.00
2	STATURE	1629.50	89.21	11.2	2.89	10.5X	1.5	3.1	1331	1420.0	1141.7	5103.0	01300.0	15.00	10.00
3	SHOULDER HEIGHT	1232.51	115.21	11.2	2.81	10.5X	1.5	3.1	1331	1020.0	1141.7	5103.0	01300.0	15.00	10.00
4	SHOULDER HEIGHT	1232.51	115.21	11.2	2.81	10.5X	1.5	3.1	1331	1020.0	1141.7	5103.0	01300.0	15.00	10.00
5	BUSTPOINT HEIGHT	1182.95	56.76	10.9	2.87	10.5X	1.5	3.1	1331	980.0	1087.5	5135.0	01133.0	15.00	10.00
6	MAIST HEIGHT	1813.94	52.40	17.3	3.12	5.1X	2.1	3.1	1331	1640.0	1647.5	51260.0	01854.0	15.00	10.00
7	CROTCH HEIGHT	763.67	63.76	21.2	2.98	5.1X	2.1	3.1	1331	620.0	617.5	520.0	0764.0	15.00	10.00
8	BUTTOCK HEIGHT	837.95	48.70	3.0	3.12	5.6X	2.1	3.1	1331	700.0	697.5	5103.0	0830.0	15.00	10.00
9	ANKELECK HEIGHT	474.95	26.49	2.0	2.65	5.5X	2.1	3.1	1331	450.0	392.5	501.0	0479.0	15.00	10.00
10	SHOULDER HEIGHT	1232.51	115.21	11.2	2.81	10.5X	1.5	3.1	1331	1020.0	1141.7	5103.0	01300.0	15.00	10.00
11	SHOULDER HEIGHT	1232.51	115.21	11.2	2.81	10.5X	1.5	3.1	1331	1020.0	1141.7	5103.0	01300.0	15.00	10.00
12	EYE HEIGHT/ST	736.45	48.45	17.3	2.98	4.7X	2.1	3.1	1331	620.0	617.5	520.0	0764.0	15.00	10.00
13	SHOULDER-ELBOW L	335.45	17.48	1.6	3.16	5.5X	2.1	3.1	1331	320.0	272.5	504.0	0336.0	5.00	3.00
14	ELBOW-FINGER/ST	439.17	22.85	2.6	2.89	5.1X	2.1	3.1	1331	470.0	368.5	510.0	0435.0	5.00	3.00
15	ANKEE HEIGHT/ST	599.93	20.94	2.2	2.92	5.1X	2.1	3.1	1331	590.0	522.5	508.0	0518.0	5.00	3.00
16	POLITICAL HEIGHT	436.46	23.31	1.4	2.89	5.6X	2.1	3.1	1331	347.0	344.5	501.0	0479.0	5.00	3.00
17	SHOULDER HEIGHT	1232.51	115.21	11.2	2.81	10.5X	1.5	3.1	1331	1020.0	1141.7	5103.0	01300.0	15.00	10.00
18	SHOULDER HEIGHT	1232.51	115.21	11.2	2.81	10.5X	1.5	3.1	1331	1020.0	1141.7	5103.0	01300.0	15.00	10.00
19	MAIST DEPTH	142.89	22.10	1.33	7.31	12.1X	2.2	5.3	1331	134.0	132.5	127.0	0132.0	10.00	5.00
20	CHEST BREADTH	282.47	18.56	0.9	5.19	6.6X	1.2	2.4	1331	235.0	232.5	508.0	0262.0	10.00	5.00
21	MAIST BREADTH	259.80	26.56	0.3	5.66	9.6X	1.6	2.4	1331	195.0	192.5	508.0	0250.0	10.00	5.00
22	WIP BREADTH	352.66	26.76	0.8	4.21	7.8X	1.6	2.4	1331	289.0	282.5	508.0	0354.0	10.00	5.00
23	SHOULDER BREADTH	121.45	22.17	1.3	4.23	5.4X	1.2	2.4	1331	105.0	102.5	501.0	0176.0	10.00	5.00
24	SHOULDER BREADTH	121.45	22.17	1.3	4.23	5.4X	1.2	2.4	1331	105.0	102.5	501.0	0176.0	10.00	5.00
25	SHOULDER CIRCUMF	1031.86	55.59	6.1	5.25	5.4X	1.2	2.4	1331	863.0	857.5	5199.0	01089.0	20.00	15.00
26	CHEST CIRC AT SCYE	859.49	51.04	6.1	4.95	6.1X	1.2	2.4	1331	715.0	717.5	5120.0	0855.0	20.00	15.00
27	BUST CIRCUMF	882.15	64.73	7.3X	1.3	2.6	1331	620.0	617.5	5120.0	0862.0	20.00	15.00	10.00	10.00
28	CHEST C BELOW BUST	748.21	50.17	7.0	5.06	6.7X	1.3	2.6	1331	620.0	617.5	5120.0	0748.0	20.00	15.00
29	MAIST CIRCUMF	718.14	68.98	1.22	6.42	9.7X	2.0	4.1	1331	595.0	592.5	5117.0	0758.0	25.00	15.00
30	MAIST CIRCUMF	718.14	68.98	1.22	6.42	9.7X	2.0	4.1	1331	595.0	592.5	5117.0	0758.0	25.00	15.00
31	WIST CIRCUMF	157.27	73.64	1.7	3.10	6.7X	1.2	2.4	1331	103.0	101.5	5103.0	0157.0	20.00	15.00
32	WIST CIRC AT SCYE	170.20	22.94	0.9	3.96	6.5X	1.6	2.4	1331	103.0	101.5	5103.0	0157.0	20.00	15.00
33	BICEPS CIRC, FLXO	240.75	22.94	0.9	3.96	6.5X	1.6	2.4	1331	208.0	207.5	391.0	0259.0	15.00	10.00
34	ELBOW CIRC FLXO	259.79	16.24	3.0	3.43	6.3X	1.6	2.4	1331	215.0	212.5	338.0	0260.0	5.00	3.00
35	FOREARM CIRC, FLXO	259.79	16.24	3.0	3.43	6.3X	1.6	2.4	1331	215.0	212.5	338.0	0260.0	5.00	3.00
36	WIST CIRCUMF	157.27	73.64	1.7	3.10	6.7X	1.2	2.4	1331	103.0	101.5	5103.0	0157.0	20.00	15.00
37	WIST CIRCUMF	157.27	73.64	1.7	3.10	6.7X	1.2	2.4	1331	103.0	101.5	5103.0	0157.0	20.00	15.00
38	WIST CIRCUMF	157.27	73.64	1.7	3.10	6.7X	1.2	2.4	1331	103.0	101.5	5103.0	0157.0	20.00	15.00
39	CALF CIRCUMF	298.93	29.10	2.3	3.44	7.2X	1.6	2.4	1331	277.0	277.5	507.0	0351.0	10.00	5.00
40	ANKLE CIRCUMF	217.31	12.48	1.1	2.99	6.0X	1.2	2.4	1331	167.0	166.5	249.0	0207.0	5.00	2.00
41	SHOULDER LENGTH	159.99	18.93	1.3	3.22	7.1X	2.2	5.3	1331	130.0	117.5	107.0	0159.0	3.00	2.00
42	INTERSCYE BACK	378.54	23.93	0.6	3.21	6.2X	1.6	2.4	1331	369.0	362.5	507.0	0379.0	10.00	5.00
43	INTERSCYE FRONT	331.99	17.45	0.2	3.11	7.2X	1.6	2.4	1331	320.0	317.5	508.0	0332.0	10.00	5.00
44	BACK ARC, BUST	357.41	37.92	1.2	4.46	9.9X	1.6	2.4	1331	278.0	278.5	507.0	0351.0	10.00	5.00
45	BACK ARC, BUST	357.41	37.92	1.2	4.46	9.9X	1.6	2.4	1331	278.0	278.5	507.0	0351.0	10.00	5.00
46	BACK ARC, HIP	478.05	37.16	0.7	4.25	7.9X	1.6	2.4	1331	359.0	357.5	508.0	0475.0	15.00	10.00
47	MAIST BACK	408.51	26.94	3.1	3.18	6.5X	1.6	2.4	1331	370.0	372.5	515.0	0409.0	10.00	5.00
48	MAIST FRONT	367.36	26.29	5.0	3.70	7.2X	1.6	2.4	1331	299.0	292.5	507.0	0367.0	10.00	5.00
49	NECK-BUSTPOINT LGT	252.94	20.46	0.8	3.01	6.8X	1.6	2.4	1331	190.0	180.5	331.0	0253.0	5.00	3.00
50	AXILLA-MAIST LEVEL	231.80	29.16	0.9	3.86	10.9X	1.6	2.4	1331	163.0	162.5	351.0	0211.0	10.00	5.00

WOMEN'S ARMY CORPS SURVEY '76, COKE MEASUREMENTS

4 SUMMARY OF THE MATERIAL ALREADY PRESENTED EITHER ON THE PRECEDING PAGES OR ON THE PUNCHED RANGE CARDS

NO.	VARIABLE NAME	MEAN	STD DEV	V-I	V-II	V	DELTA	DELTA	N	MINIMUM	NIM	MAX	AVG	--THE RANGE CARD VALUES--				CF1	CF2
														INTV1	INTV2	INTV3	INTV4		
51	SLEEVE INSLAN	450.54	26.13	.23	3.04	5.82	.2	.2	1331	385.0	362.5	545.0	451.0	10.00	5.00	10.00	5.00	.10000	.33378
52	SLEEVE OUTSLAN	937.97	26.42	.16	2.96	5.52	.2	.2	1331	940.0	942.5	940.0	936.0	10.00	5.00	10.00	5.00	.10000	.33378
53	CROTCH LENGTH	720.32	54.61	.29	4.07	7.52	.6	.2	1331	528.0	517.5	802.0	729.0	20.00	10.00	20.00	10.00	.10000	.33378
54	HEAD CIRCUMFERENCE	549.25	10.38	.26	3.26	3.02	.5	.3	1331	570.0	528.0	565.0	542.0	2.00	1.00	2.00	1.00	.10000	.33378
55	HEAD LENGTH	180.0	0.71	.05	1.2	1.42	.1	.1	1331	182.0	161.5	208.0	187.0	2.00	1.00	2.00	1.00	.10000	.33378
56	HEAD BREADTH	140.0	0.71	.05	1.2	1.42	.1	.1	1331	142.0	141.5	142.0	141.0	2.00	1.00	2.00	1.00	.10000	.33378
57	PALE LENGTH	98.03	5.23	.16	2.98	5.32	.3	.3	1331	82.0	81.5	116.0	99.0	2.00	1.00	2.00	1.00	.10000	.33378
58	HAND BREADTH	70.19	3.60	.04	2.06	5.02	.1	.1	1331	66.0	65.5	91.0	70.0	1.00	1.00	1.00	1.00	.10000	.33378
59	HAND CIRCUMFERENCE	180.44	6.37	.06	2.03	4.62	.3	.3	1331	139.0	137.5	212.0	180.0	2.00	1.00	2.00	1.00	.10000	.33378
60	HAND LENGTH	174.43	9.02	.25	2.98	5.22	.3	.3	1331	149.0	147.5	208.0	174.0	2.00	1.00	2.00	1.00	.10000	.33378
61	INSTEP LENGTH	520.12	18.35	.26	3.17	5.12	.4	.3	1331	230.0	227.5	508.0	521.0	5.00	2.00	5.00	2.00	.10000	.33378
62	HEEL-ANKLE CIRCUMF.	302.98	14.57	.23	2.46	4.72	.3	.2	1331	266.0	267.5	361.0	300.0	5.00	2.00	5.00	2.00	.10000	.33378
63	HEEL-ANKLE CIRCUMF.	88.66	5.15	.23	3.19	5.02	.3	.3	1331	75.0	74.5	108.0	89.0	2.00	1.00	2.00	1.00	.10000	.33378
64	FOOT BREADTH	60.89	4.11	.37	3.10	6.02	.6	.4	1331	50.0	49.5	76.0	61.0	1.00	1.00	1.00	1.00	.10000	.33378
65	HEEL BREADTH	226.09	11.55	.22	3.13	5.12	.5	.3	1331	199.0	198.5	272.0	226.0	1.00	1.00	1.00	1.00	.10000	.33378
66	FOOT CIRCUMFERENCE	230.80	12.64	.26	3.11	5.42	.5	.3	1331	210.0	209.5	272.0	230.0	1.00	1.00	1.00	1.00	.10000	.33378
67	INSTEP CIRCUMFERENCE	180.28	10.17	.08	3.10	4.42	.6	.3	1331	166.0	165.5	212.0	180.0	2.00	1.00	2.00	1.00	.10000	.33378
68	SHOULDER HEIGHT	644.88	5.42	.09	3.10	4.42	.6	.3	1331	640.0	639.5	640.0	639.0	1.00	1.00	1.00	1.00	.10000	.33378
69	SPINE HEIGHT	644.88	5.42	.09	3.10	4.42	.6	.3	1331	640.0	639.5	640.0	639.0	1.00	1.00	1.00	1.00	.10000	.33378

B-2. XVAL FOR THE TRADITIONAL
ANTHROPOMETRY SUBSERIES

This XVAL printout covers the 28 measurements made on a sub-sample of 255 subjects in the traditional anthropometry subseries (subseries #1). Included in this printout are data for waist height at omphalion and midshoulder height, sitting which are not reported elsewhere because they were measured only on the last 88 subjects in the subseries. Height and weight data for this sub-sample are also given in this printout. Following are the means, standard deviations, 5th and 95th percentile values for these additional variables:

	<u>Mean</u>	<u>S.D.</u>	<u>5th Xile</u>	<u>95th Xile</u>
Waist height, omphalion	98.2 cm	4.7	90.2	106.4
Midshoulder height, sit.	59.1 cm	2.8	54.4	63.5
Height	162.4 cm	6.4	151.9	173.1
Weight	130.5 lbs	19.7	101.1	161.6

Mathematics 2023, 11, 1111

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WOMEN'S ARMY CORPS SUB-SERIES 01, TRADITIONAL ANTHROPOMETRY

34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
STATUS	INCOME	WEALTH	OWNERSHIP	EDUCATION	RELIGION	ETHNICITY	SEX	AGE	HEIGHT	WEIGHT	HAIR	SKIN	TEETH	NOSE	EYES	TEARS	SMILE	WINK
1	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
3	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
4	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
5	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
6	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
7	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
8	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
9	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
10	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
11	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
12	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
13	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
14	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
15	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
16	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
17	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
18	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
19	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
20	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
21	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
22	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
23	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
24	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
25	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

NEW MVS ASSEMBLY CECIS SUBSUNTS OF, PARTICULAR ANTHROPOMETRY

* SUMMARY OF THE MATERIAL A-READY PRESENTED LISTED ON THE PRECEDING PAGES OR IN THE "JUMMO KENGE CARDS"

NO.	VARIATION NAME	MEAN	STD DEV	V-I	V	UCLM DELS	N	MINIMUM	MIN	MAX	AVG	INTV2	CF1	CF2
1	UNDEVELOPED HEIGHT	1442.70	90.10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2	SUPERSTANDARD HEIGHT	1380.20	90.71	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
3	STANDARD HEIGHT	1325.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4	STANDARD HEIGHT	1279.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5	STANDARD HEIGHT	1233.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
6	STANDARD HEIGHT	1187.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7	STANDARD HEIGHT	1141.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8	STANDARD HEIGHT	1095.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
9	STANDARD HEIGHT	1049.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10	STANDARD HEIGHT	1003.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
11	STANDARD HEIGHT	957.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
12	STANDARD HEIGHT	911.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
13	STANDARD HEIGHT	865.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
14	STANDARD HEIGHT	819.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
15	STANDARD HEIGHT	773.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
16	STANDARD HEIGHT	727.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
17	STANDARD HEIGHT	681.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18	STANDARD HEIGHT	635.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
19	STANDARD HEIGHT	589.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
20	STANDARD HEIGHT	543.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
21	STANDARD HEIGHT	497.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
22	STANDARD HEIGHT	451.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
23	STANDARD HEIGHT	405.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
24	STANDARD HEIGHT	359.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
25	STANDARD HEIGHT	313.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
26	STANDARD HEIGHT	267.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
27	STANDARD HEIGHT	221.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
28	STANDARD HEIGHT	175.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
29	STANDARD HEIGHT	129.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
30	STANDARD HEIGHT	83.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
31	STANDARD HEIGHT	37.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
32	STANDARD HEIGHT	0.05	90.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

STATISTICS FOR VARIABLES

[illegible]

ACMHN'S ALBY CORPS SUP-5EMLS 0 2 , MCRK SPACE

STATISTICS FOR VARIABLES

ARMENIA'S ARMY CAPS SUP-5{U}ES 0 2 , MCHX SPACE

A SUMMARY OF THE MATERIAL ALREADY PHASED IN LITTLE ON THE PENDING PAGES CO ON THE PENDING RANGE CASES

NO.	VARIABLE NAME	MEAN	STD. DEV	V-1	V-2	V	DELTA DELTA	W	MINIMUM	MAX	AVG	INTV1	INTV2	CF1	CF2
1	FUNCTIONAL REACH FT	1591.73	50.37	13	3.10	0.52	-2	3.5	1758.01727	18270.01902	20.90	15.61	15.61	15.61	15.61
2	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00
3	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00
4	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00
5	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00
6	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00
7	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00
8	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00
9	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00
10	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00
11	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00
12	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00
13	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00
14	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00
15	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00
16	FUNCTIONAL REACH	711.65	45.28	13	2.14	0.42	-2	3.5	597.0	492.5	492.5	15.00	9.00	15.00	15.00

B-4. XVAL FOR THE HEAD AND FACE SUBSERIES

This XVAL printout covers the 31 head and face measurements made on a subsample of 216 subjects. Comparative data are included for head length, head breadth, and head circumference, and for ear length, ear breadth, and biauricular breadth. These last three were measured on only the last 37 members of the head-face subseries and are not reported elsewhere. Summary statistics for these six additional measurements appear below.

	<u>Mean</u>	<u>S.D.</u>	<u>5th Xile</u>	<u>95th Xile</u>
Ear length	5.8 cm	0.4	5.2	6.3
Ear breadth	3.7 cm	0.3	3.2	4.1
Biauricular breadth	16.5 cm	0.7	15.2	17.3
Head circumference	55.0 cm	1.8	52.3	57.3
Head length	18.7 cm	0.7	17.5	19.6
Head breadth	14.6 cm	0.5	13.8	15.3

1		2		3		4		5		6		7		8	
SAGITTAL		NITRAG-CC		NITRAG-3		NITRAG-PE		NITRAG-SU		GLACIELLA-		SELTION-7		PENCASLE-0	
ARC	VALT	ARC	VALT	ARC	VALT	ARC	VALT	ARC	VALT	ARC	VALT	ARC	VALT	ARC	VALT
1ST SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
2ND SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
3RD SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
4TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
5TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
6TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
7TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
8TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
9TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
10TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
11TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
12TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
13TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
14TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
15TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
16TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
17TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
18TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
19TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0
20TH SPALCST	598.1	722.0	772.0	610.0	592.0	259.0	592.0	222.0	592.0	164.0	1203.0	176.0	1203.0	176.0	1203.0</

ACHEN'S ARMY CORPS SUB-SERIES 01, HEAD AND FACE

STATISTICS FOR VARIABLES 17 THROUGH 24

	17	18	19	20	21	22	23	24
GLABELA-	SELLEX-V	PROMSALE	SUBMSALE	STOMION-V	MENTON-VE	SELLION-M	CRATION-M	
WRTEN	ERTEX	-WRTX	-WRTX	ERTEX	RTX	ENTOM	ENTCA	
VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	
1ST SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
2ND SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
3RD SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
4TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
5TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
6TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
7TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
8TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
9TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
10TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
11TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
12TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
13TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
14TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
15TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
16TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
17TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
18TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
19TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
20TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
21TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
22TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
23TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
24TH SMALLEST	84.1	122	119.4	129	150.0	95.8	100	122.8
1ST LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
2ND LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
3RD LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
4TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
5TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
6TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
7TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
8TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
9TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
10TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
11TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
12TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
13TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
14TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
15TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
16TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
17TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
18TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
19TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
20TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
21TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
22TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
23TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
24TH LARGEST	90.1	72	153.1	72	185.1	118.0	495	151.8
THE MEAN VALUE	84.1	122	119.4	129	150.0	95.8	100	122.8
STD. DEVIATION	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.68
CONF/VARIATION	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28
VECT TWO	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57
IN-TOT-MG EST	84.1	122	119.4	129	150.0	95.8	100	122.8
IN-TOT-SUM EST	84.1	122	119.4	129	150.0	95.8	100	122.8
ACT DIFF/MEAN	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
PCT DIFF/ST DVS	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
SIZE OF SAMPLE	211	211	211	211	211	211	211	211

ACRIN'S ARPY CORES SUB-SERIES 21, MEAN AND FACE

INCPH'S ADV CCRFS SUM-SERIS 03, H5AC 4MC FACE

STATISTICS FOR VARIABLE 22 TH-ROUGH 37

	21	24	25	26	37
VAR	ELAC	DIAPHRICUL	HEAD CIPC	M-AC LENG	M-AC AREA
TH	VAL	VAL	UPPER	VAL	VAL
SECT	SECT	SECT	SECT	SECT	SECT
1ST	1ST	1ST	1ST	1ST	1ST
2ND	2ND	2ND	2ND	2ND	2ND
3RD	3RD	3RD	3RD	3RD	3RD
4TH	4TH	4TH	4TH	4TH	4TH
5TH	5TH	5TH	5TH	5TH	5TH
6TH	6TH	6TH	6TH	6TH	6TH
7TH	7TH	7TH	7TH	7TH	7TH
8TH	8TH	8TH	8TH	8TH	8TH
9TH	9TH	9TH	9TH	9TH	9TH
10TH	10TH	10TH	10TH	10TH	10TH
11TH	11TH	11TH	11TH	11TH	11TH
12TH	12TH	12TH	12TH	12TH	12TH
13TH	13TH	13TH	13TH	13TH	13TH
14TH	14TH	14TH	14TH	14TH	14TH
15TH	15TH	15TH	15TH	15TH	15TH
16TH	16TH	16TH	16TH	16TH	16TH
17TH	17TH	17TH	17TH	17TH	17TH
18TH	18TH	18TH	18TH	18TH	18TH
19TH	19TH	19TH	19TH	19TH	19TH
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22TH	22TH	22TH	22TH	22TH	22TH
23TH	23TH	23TH	23TH	23TH	23TH
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25TH	25TH	25TH	25TH	25TH	25TH
26TH	26TH	26TH	26TH	26TH	26TH
27TH	27TH	27TH	27TH	27TH	27TH
28TH	28TH	28TH	28TH	28TH	28TH
29TH	29TH	29TH	29TH	29TH	29TH
30TH	30TH	30TH	30TH	30TH	30TH
31TH	31TH	31TH	31TH	31TH	31TH
32TH	32TH	32TH	32TH	32TH	32TH
33TH	33TH	33TH	33TH	33TH	33TH
34TH	34TH	34TH	34TH	34TH	34TH
35TH	35TH	35TH	35TH	35TH	35TH
36TH	36TH	36TH	36TH	36TH	36TH
37TH	37TH	37TH	37TH	37TH	37TH
38TH	38TH	38TH	38TH	38TH	38TH
39TH	39TH	39TH	39TH	39TH	39TH
40TH	40TH	40TH	40TH	40TH	40TH
41TH	41TH	41TH	41TH	41TH	41TH
42TH	42TH	42TH	42TH	42TH	42TH
43TH	43TH	43TH	43TH	43TH	43TH
44TH	44TH	44TH	44TH	44TH	44TH
45TH	45TH	45TH	45TH	45TH	45TH
46TH	46TH	46TH	46TH	46TH	46TH
47TH	47TH	47TH	47TH	47TH	47TH
48TH	48TH	48TH	48TH	48TH	48TH
49TH	49TH	49TH	49TH	49TH	49TH
50TH	50TH	50TH	50TH	50TH	50TH
51TH	51TH	51TH	51TH	51TH	51TH
52TH	52TH	52TH	52TH	52TH	52TH
53TH	53TH	53TH	53TH	53TH	53TH
54TH	54TH	54TH	54TH	54TH	54TH
55TH	55TH	55TH	55TH	55TH	55TH
56TH	56TH	56TH	56TH	56TH	56TH
57TH	57TH	57TH	57TH	57TH	57TH
58TH	58TH	58TH	58TH	58TH	58TH
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61TH	61TH	61TH	61TH	61TH	61TH
62TH	62TH	62TH	62TH	62TH	62TH
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64TH	64TH	64TH	64TH	64TH	64TH
65TH	65TH	65TH	65TH	65TH	65TH
66TH	66TH	66TH	66TH	66TH	66TH
67TH	67TH	67TH	67TH	67TH	67TH
68TH	68TH	68TH	68TH	68TH	68TH
69TH	69TH	69TH	69TH	69TH	69TH
70TH	70TH	70TH	70TH	70TH	70TH
71TH	71TH	71TH	71TH	71TH	71TH
72TH	72TH	72TH	72TH	72TH	72TH
73TH	73TH	73TH	73TH	73TH	73TH
74TH	74TH	74TH	74TH	74TH	74TH
75TH	75TH	75TH	75TH	75TH	75TH
76TH	76TH	76TH	76TH	76TH	76TH
77TH	77TH	77TH	77TH	77TH	77TH
78TH	78TH	78TH	78TH	78TH	78TH
79TH	79TH	79TH	79TH	79TH	79TH
80TH	80TH	80TH	80TH	80TH	80TH
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82TH	82TH	82TH	82TH	82TH	82TH
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86TH	86TH	86TH	86TH	86TH	86TH
87TH	87TH	87TH	87TH	87TH	87TH
88TH	88TH	88TH	88TH	88TH	88TH
89TH	89TH	89TH	89TH	89TH	89TH
90TH	90TH	90TH	90TH	90TH	90TH
91TH	91TH	91TH	91TH	91TH	91TH
92TH	92TH	92TH	92TH	92TH	92TH
93TH	93TH	93TH	93TH	93TH	93TH
94TH	94TH	94TH	94TH	94TH	94TH
95TH	95TH	95TH	95TH	95TH	95TH
96TH	96TH	96TH	96TH	96TH	96TH
97TH	97TH	97TH	97TH	97TH	97TH
98TH	98TH	98TH	98TH	98TH	98TH
99TH	99TH	99TH	99TH	99TH	99TH
100TH	100TH	100TH	100TH	100TH	100TH

NOMEN'S BODY COPIES SUP-SEALS #3, M-AC AND FACE

SIZE OF SAMPLE

[illegible]

B-5. XVAL FOR THE STATIC STRENGTH SUBSERIES

This XVAL printout covers the 36 measurements (two mean and two peak values at each of nine arrangements) made on a subsample of 349 subjects in the static strength subseries. The statures and weights of the members of this subsample are included here. Summary statistics for these two additional variables are listed below.

	<u>Mean</u>	<u>S.D.</u>	<u>5th Xile</u>	<u>95th Xile</u>
Stature	163.1 cm	6.2	153.6	174.1
Weight	132.5 lbs	19.1	103.4	162.3

[illegible]

APPENDIX C

THE CODING OF THE BACKGROUND VARIABLES

On the magnetic tape and punched card records of these data, the data for race, rank, birthplace, military occupation and handedness are in coded form:

1. Race: 1-White, 2-Black, 3-Oriental.
2. Rank: 1-E1 (Basic), 2-E2 (Private), 3-E3 (Private, First Class), 4-E4 (Corporal or Specialist 4th Class), 5-E5 (Sergeant or Specialist 5th Class), 6-E6 (Staff Sergeant or Specialist 6th Class), 7-E7 (Sergeant, First Class or Specialist 7th Class), 11-01 (2nd Lieutenant, 12-02 (1st Lieutenant), 13-03 (Captain), 14-04 (Major), 15-05 (Lt. Col), 16-06 (Colonel).
3. Birthplace:

New England States

- 11 Maine
- 12 New Hampshire
- 13 Vermont
- 14 Massachusetts
- 15 Rhode Island
- 16 Connecticut

Mid-Atlantic States

- 21 New York
- 22 New Jersey
- 23 Pennsylvania

South Atlantic States

- 31 Delaware
- 32 Maryland
- 33 District of Columbia
- 34 Virginia
- 35 West Virginia
- 36 North Carolina
- 37 South Carolina
- 38 Georgia
- 39 Florida

East North Central States

- 41 Ohio
- 42 Indiana
- 43 Illinois
- 44 Michigan
- 45 Wisconsin

East South Central States

- 51 Kentucky
- 52 Tennessee
- 53 Mississippi
- 54 Alabama

West North Central States

- 61 Minnesota
- 62 Iowa
- 63 Missouri
- 64 North Dakota
- 65 South Dakota
- 66 Nebraska
- 67 Kansas

West South Central States

- 71 Arkansas
- 72 Louisiana
- 73 Oklahoma
- 74 Texas

Mountain States

- 81 Montana
- 82 Idaho
- 83 Wyoming
- 84 Colorado
- 85 Utah
- 86 Nevada
- 87 Arizona
- 88 New Mexico

Pacific States

- 91 California
- 92 Oregon
- 93 Washington
- 94 Alaska
- 95 Hawaii

Foreign

- 01 Canada and English speaking
Caribbean Islands
- 02 Mexico, Central America,
Panama and non-English speaking
Caribbean Islands
- 03 South America
- 04 Europe, excluding the Mediterranean
countries
- 05 European Mediterranean countries
- 06 Africa
- 07 Asia
- 08 Australia, New Zealand, Oceania

4. Military Occupation

a. Enlisted Women:

- 01 Medical laboratory technicians (mainly 92B, 92B10,
92B20)
- 02 Medical assistants, nurses aides, etc. (mainly 91B,
91C, 91B10, 91B20, 91C10, 91C20, 91C40)
- 03 X-ray technicians (mainly 91P10)
- 04 Dental specialists (mainly 91E10)
- 05 Clerk typists (mainly 71B10, 71B20)
- 06 Pharmacy technicians (mainly 91Q)
- 07 Truck drivers, motor transport operators
(mainly 64C10)
- 08 Traffic coordinators
- 09 Drill sergeants
- 10 Supply clerks (mainly 76Y10)
- 11 Military police (mainly 95B10)
- 12 Chaplain assistants (mainly 71M)
- 13 Cooks, food service (mainly 94F)
- 14 Medical records (mainly 72G)

- 15 Communications (mainly 31M)
- 16 Intelligence analysts (mainly 96B)
- 17 Finance clerks (mainly 73C)
- 18 Unit clerks (mainly 75B, 75C, 75D)
- 19 Photographers
- 20 Telephone repair persons and operators
- 21 Band
- 22 Data processors
- 23 Ammunition specialists
- 24 Cryptologists (mainly 98G)
- 25 Occupational therapists (mainly 65A, 91L)
- 26 Food inspectors (mainly 91R)
- 27 Miscellaneous health specialists (mainly 91A, 91F, 91G, 91J, 91N, 91S)
- 28 Operating room technicians (mainly 91D)
- 29 Electronics, radio, radar
- 30 Mechanics, welders, carpenters, etc.
- 31 Miscellaneous undecipherable and not stated

b. Officers:

- 50 Nurses (mostly 66H, 66G, 66J, 3448, etc.)
- 51 Dietitians (mostly 65C, 3420)
- 52 Student Officers
- 53 Company commanders, training officers
- 54 Military police
- 55 Physical therapists (65B)
- 56 Miscellaneous and not stated

5. Handedness

- 1 right-handed, 2 left-handed, 3 ambidextrous,
- 4 no response.

INDEX BY NAME, ANATOMICAL LOCATION, AND MEASUREMENT TECHNIQUE

(VARIABLE NUMBER BY SUBSERIES: C - CORE, T - TRADITIONAL,
W - WORKSPACE, H - HEAD AND FACE)

ABDOMEN		FUNCTIONAL REACH EXTENDED	3H
ABDOMINAL EXTENSION EF/SIT	17T	FUNCTIONAL REACH	2H
ABDOMINAL EXTENSION DP/SIT	14T	OVERHEAD REACH HEIGHT	1H
		OVERHEAD REACH, SITTING	4H
ABDOMINAL EXTENSION BR/SIT	17T	RACIAL-STYLION LENGTH	10T
		SHOULDER CIRCUMFERENCE	25C
ABDOMINAL EXTENSION CP/SIT	14T	SHOULDER-ELBOW LENGTH	13C
		SLEEVE INSEAM LENGTH	51C
ACROMION/SEE SHOULDER		SLEEVE OUTSEAM LENGTH	52C
		WRIST CIRCUMFERENCE	36C
ACROMION-RACIAL LENGTH	5T		
		ARM SCYE CIRCUMFERENCE	32C
ANKLES			
ANKLE CIRCUMFERENCE	40C	AXILLA	
ANKLE HEIGHT	66C	ARM SCYE CIRCUMFERENCE	32C
HEEL-ANKLE CIRCUMFERENCE	63C	AXILLA HEIGHT	4C
SPHYGMIC HEIGHT	69C	AXILLA TO WAIST	56C
		AXILLARY ARM CIRCUMFERENCE	22T
ANKLE CIRCUMFERENCE	40C	CHEST CIRCUMFERENCE AT SCYE	26C
		SLEEVE INSEAM LENGTH	51C
ANKLE HEIGHT	68C	SLEEVE OUTSEAM LENGTH	52C
ARCS		AXILLA HEIGHT	4C
BACK CURVATURE-ELST	44C		
BACK CURVATURE-HIP	46C	AXILLA TO WAIST	50C
BACK CURVATURE-WAIST	45C		
BITRAGON-CORONAL ARC	2H	AXILLARY ARM CIRCUMFERENCE	22T
BITRAGON-FRONTAL ARC	3H		
BITRAGON-MENTAL ARC	4H	BACK CURVATURE-BUST	44C
BITRAGON-SUBMANDIBULAR ARC	5H		
SAGITTAL ARC	1H	BACK CURVATURE-HIP	46C
ARMS		BACK CURVATURE-WAIST	45C
ACROMION-RACIAL LENGTH	5T		
ARM SCYE CIRCUMFERENCE	32C	BENT KNEE HEIGHT, SUPINE	13H
AXILLARY ARM CIRCUMFERENCE	22T		
BICEPS CIRCUMFERENCE/FLEXED	33C	BENT TRUNK BREADTH	10H
BICEPS CIRCUMFERENCE/RELAXED	23T		
ELBOW-FINGERTIP LENGTH	14C	BENT TRUNK HEIGHT	9H
ELBOW-GRIP LENGTH	11T		
ELBOW CIRCUMFERENCE/FLEXED	34C	BIACROMIAL BREADTH	16T
ELBOW (RACIAL) HEIGHT	4T		
ELBOW REST HEIGHT	12T	BICEPS/SEE UPPER ARM	
FOREARM CIRCUMFERENCE/FLEXED	35C		
FOREARM CIRCUMFERENCE/RELAXED	24T	BICEPS CIRCUMFERENCE/FLEXED	33C

INDEX BY NAME, ANATOMICAL LOCATION, AND MEASUREMENT TECHNIQUE

(VARIABLE NUMBER BY SUBSERIES: C - CORE, T - TRADITIONAL,
W - WORKSPACE, H - HEAD AND FACE)

BICEPS CIRCUMFERENCE/RELAXED	23T	BUST CIRCUMFERENCE	27C
BICEPS SKINFOLD	27T	BUST DEPTH	18C
BIOCULAR BREADTH	27H	BUSTPOINT HEIGHT	5C
BISPINOUS BREADTH	15T	BUTTOCK/HIPS	
BITRAGION BREADTH	14H	BACK CURVATURE-HIP	46C
BITRAGION-CORONAL ARC	2H	BUTTOCK HEIGHT	4C
BITRAGION-FRONTAL ARC	3H	BUTTOCK-KNEE LENGTH	17C
BITRAGION-MENTON ARC	4H	FUNCTIONAL LEG LENGTH	5W
BITRAGION-SCAPULAR ARC	5H	HIP BREADTH	22C
BREADTHS		HIP CIRCUMFERENCE	36C
BENT TORSO BREADTH	10W	HIP CIRCUMFERENCE, SITTING	28T
BIACROMIAL BREADTH	16T	BUTTOCK HEIGHT	6C
BIOCULAR BREADTH	27H	BUTTOCK-KNEE LENGTH	17C
BISPINOUS BREADTH	15T	CALF CIRCUMFERENCE	39C
BITRAGION BREADTH	14H	CALF HEIGHT	16C
CHEST BREADTH	26C	CERVICALE	
FACE BREADTH (BIZYGOMATIC)	26H	CERVICALE HEIGHT	1T
FOOT BREADTH	64C	WAIST BACK LENGTH	47C
HAND BREADTH	58C	CERVICALE HEIGHT	1T
HEAD BREADTH	55C	CHEST	
HEEL BREADTH	65C	BACK CURVATURE-BUST	44C
HIP BREADTH	22C	BUST CIRCUMFERENCE	27C
MINIMUM FRONTAL BREADTH	25H	BUST DEPTH	18C
NOSE BREADTH	30H	BUSTPOINT HEIGHT	5C
OVERHEAD REACH BREADTH	8W	CHEST BREADTH	20C
SHOULDER BREADTH	23C	CHEST CIRCUMFERENCE AT SCYE	26C
THIGH-TO-THIGH BREADTH/SIT	18T	CHEST CIRCUMFERENCE BELOW SCYE	28C
WAIST BREADTH	21C	SUBSTERNAL HEIGHT	3T
BUST		SUPRASTERNAL HEIGHT	2T
BACK CURVATURE-ELST	44C	CHEST BREADTH	23C
BUST CIRCUMFERENCE	27C	CHEST CIRCUMFERENCE AT SCYE	26C
BUST DEPTH	18C	CHEST CIRCUMFERENCE BELOW SCYE	28C
BUSTPOINT HEIGHT	5C		
NECK TO BUSTPOINT	49C		

INDEX BY NAME, ANATOMICAL LOCATION, AND MEASUREMENT TECHNIQUE

(VARIABLE NUMBER BY SUBSERIES: C - CORE, T - TRADITIONAL,
W - WORKSPACE, H - HEAD AND FACE)

CHIN/SEE MENTION		DELTOID MUSCLES	
		SHOULDER BREADTH	23C
		SHOULDER CIRCUMFERENCE	25C
CIRCUMFERENCES		DEPTHS	
ANKLE CIRCUMFERENCE	40C	ABDOMINAL EXTENSION OP/SIT	14T
ARM SCYE CIRCUMFERENCE	32C	BUST DEPTH	18C
AXILLARY ARM CIRCUMFERENCE	22T	THIGH CLEARANCE	13T
BICEPS CIRCUMFERENCE/FLEXED	33C	WAIST DEPTH	19C
BICEPS CIRCUMFERENCE/RELAXED	23T		
BUST CIRCUMFERENCE	27C	EARS	
CALF CIRCUMFERENCE	35C	BITRAGION-CORONAL ARC	2H
CHEST CIRCUMFERENCE AT SCYE	26C	BITRAGION-FRONTAL ARC	3H
CHEST CIRCUMFERENCE BELOW SCYE	28C	BITRAGION-MENTON ARC	4H
ELBOW CIRCUMFERENCE/FLEXED	34C	BITRAGION-SUBMANDIBULAR ARC	5H
FOOT CIRCUMFERENCE	66C	HEAD HEIGHT (TRAGION-VERTEX)	15H
FOREARM CIRCUMFERENCE/FLEXED	35C	TRAGION TO WALL	13H
FOREARM CIRCUMFERENCE/RELAXED	24T		
HAND CIRCUMFERENCE	55C	ECTOCANTHUS TO VERTEX	16H
HEAD CIRCUMFERENCE	54C	ECTOCANTHUS TO WALL	12H
HEEL-ANKLE CIRCUMFERENCE	63C		
HIP CIRCUMFERENCE	36C	ELECNW	
HIP CIRCUMFERENCE, SITTING	20T	ACROMION-RACIAL LENGTH	9T
INSTEP CIRCUMFERENCE	67C	ELEOM-GRIP LENGTH	11T
KNEE CIRCUMFERENCE	39C	ELEOM CIRCUMFERENCE/FLEXED	34C
NECK CIRCUMFERENCE	24C	ELEOM-FINGERTIP LENGTH	14C
SHOULDER CIRCUMFERENCE	25C	ELEOM (RADIAL) HEIGHT	4T
UPPER THIGH CIRCUMFERENCE	37C	ELEOM FIST HEIGHT	12T
VERTICAL TRUNK CIRCUMFERENCE	31C	RACIAL-STYLION LENGTH	10T
VERTICAL TRUNK CIRCUMFERENCE/ SIT	21T	SHOULDER-ELEOM LENGTH	13C
WAIST CIRCUMFERENCE	25C		
WAIST CIRCUMFERENCE/CORONAL	15T	ELEOM-FINGERTIP LENGTH	14C
WRIST CIRCUMFERENCE	36C	ELEOM-GRIP LENGTH	11T
		ELBOW CIRCUMFERENCE/FLEXED	34C
CRINION-MENTON	24H	ELBOW (RADIAL) HEIGHT	4T
		ELBOW FIST HEIGHT	12T
CROTCH		EYES	
CROTCH HEIGHT	7C	BICULAR BREADTH	27H
CROTCH LENGTH	53C	ECTOCANTHUS TO VERTEX	16H
VERTICAL TRUNK CIRCUMFERENCE/ SIT	21T		
VERTICAL TRUNK CIRCUMFERENCE	31C		
CROTCH HEIGHT	7C		
CROTCH LENGTH	53C		

INDEX BY NAME, ANATOMICAL LOCATION, AND MEASUREMENT TECHNIQUE

(VARIABLE NUMBER BY SUBSERIES: C - CORE, T - TRADITIONAL,
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ECTOCANTHUS TO WALL	12H	GLABELLA	
EYE HEIGHT, SITTING	12C	BITRAGION-FFONTAL ARC	3H
INTERPUPILLARY DISTANCE	28H	GLABELLA TO VERTEX	17H
		GLABELLA TO WALL	6H
EYE HEIGHT, SITTING	12C	SAGITTAL ARC	1H
FACE BREADTH (EIZYGOMATIC)	26H	GLABELLA TO VERTEX	17H
FACE LGTH (SELICKA-MENTON)	23H	GLABELLA TO WALL	6H
FEET		GLUTEAL FURROW HEIGHT	7T
FOOT BREADTH	64C	GRIP	
FOOT CIRCUMFERENCE	66C	ELBOW-GRIP LENGTH	11T
FOOT LENGTH	62L		
FUNCTIONAL LEG LENGTH	5H	HANDS	
HEEL-ANKLE CIRCUMFERENCE	63C	HAND BREADTH	52C
HEEL BREADTH	65C	HAND CIRCUMFERENCE	59C
INSTEP CIRCUMFERENCE	67C	HAND LENGTH	60C
INSTEP LENGTH	61C	KNUCKLE HEIGHT	5T
SPHYGMIC HEIGHT	69C	PALM LENGTH	57C
		WRIST CIRCUMFERENCE	56C
FOOT BREADTH	640		
FOOT CIRCUMFERENCE	660	HAND BREADTH	52C
FOOT LENGTH	620	HAND CIRCUMFERENCE	59C
FINGER TIP		HAND LENGTH	50C
ELBOW-FINGER TIP LENGTH	14C		
FOREARM		HEAD AND FACE	
FOREARM CIRCUMFERENCE/FLEXED	350	BICULAR BREADTH	27H
FOREARM CIRCUMFERENCE/RELAXED	24T	BITRAGION BREADTH	14H
WRIST CIRCUMFERENCE	36C	BITRAGION-CORONAL ARC	2H
		BITRAGION-FRONTAL ARC	3H
FOREARM CIRCUMFERENCE/FLEXED	35C	BITRAGION-MENTON ARC	4H
FOREARM CIRCUMFERENCE/RELAXED	24T	BITRAGION-SUBMANDIBULAR ARC	5H
FUNCTIONAL LEG LENGTH	5H	CRINICA-MENTON	24H
FUNCTIONAL REACH	2H	ECTOCANTHUS TO VERTEX	16H
		ECTOCANTHUS TO WALL	12H
FUNCTIONAL REACH EXTENDED	3H	FACE BREADTH (EIZYGOMATIC)	26H
		FACE LGTH (SELICKA-MENTON)	23H
		GLABELLA TO VERTEX	17H
		GLABELLA TO WALL	6H
		HEAD BREADTH	55C
		HEAD CIRCUMFERENCE	54C

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HEAD HGHT (TRAGION-VERTEX)	15H	CROUCH HEIGHT	7C
HEAD LENGTH	56C	ELEOM (RADIAL) HEIGHT	4T
INTERPUPILLARY DISTANCE	28H	ELEOM REST HEIGHT	12T
LIP PROTRUSION TO WALL	1CH	EYE HEIGHT, SITTING	12C
MENTON TO VERTEX	22H	GULLYAL FURROW HEIGHT	7T
MENTON TO WALL	11H	HEAD HGHT (TRAGION-VERTEX)	15H
MINIMUM FRONTAL BREADTH	25H	HIF (TROCHANTERIC) HEIGHT	6T
MOUTH BREADTH, SMILING	31H	KNEECAP HEIGHT	9C
NOSE BREADTH	30H	KNEE HEIGHT, SITTING	15C
NOSE LENGTH	29H	KNEELING HEIGHT	11H
PRONASALE TO VERTEX	19H	KNICKLE HEIGHT	5T
PRONASALE TO WALL	6H	OVERHEAD REACH HEIGHT	1H
SAGITTAL ARC	1H	POPITEAL HEIGHT	16C
SELLION TO VERTEX	18H	SHOULDER (ACROMIAL) HEIGHT	3C
SELLION TO WALL	7H	SITTING HEIGHT	11C
STOMION TO VERTEX	21H	SPHYRION HEIGHT	69C
SUBNASALE TO VERTEX	20H	STATURE	2C
SUBNASALE TO WALL	5H	STATURE (CLOTHED)	7H
TRAGION TO WALL	13H	SUBSTERNAL HEIGHT	3T
		SUPRASTERNAL HEIGHT	2T
HEAD BREADTH	55C	THIGH CLEARANCE	13T
HEAD CIRCUMFERENCE	54C	TIBIAL HEIGHT	8T
		WAIST HEIGHT	6C
HEAD HGHT (TRAGION-VERTEX)	15H	HIF BREADTH	22C
HEAD LENGTH	56C	HIF CIRCUMFERENCE	30C
HEELS		HIF CIRCUMFERENCE, SITTING	20T
FOOT LENGTH	62C	HIF (TROCHANTERIC) HEIGHT	6T
FUNCTIONAL LEG LENGTH	5H	HORIZONTA L GTH, KNEELING	14H
HEEL-ANKLE CIRCUMFERENCE	63C	INSTEP CIRCUMFERENCE	67C
HEEL BREADTH	65C	INSTEP LENGTH	41C
INSTEP LENGTH	61C		
HEEL-ANKLE CIRCUMFERENCE	63C		
HEIGHTS			
ANKLE HEIGHT	60C	INTERPUPILLARY DISTANCE	28H
AXILLA HEIGHT	4C	INTERSCYE, BACK	42C
BENT TORSO HEIGHT	5H	INTERSCYE, FRONT	43C
ELBOWPOINT HEIGHT	5C		
BUTTOCK HEIGHT	3C	KNEECAP HEIGHT	9C
CALF HEIGHT	10C		
CERVICAL HEIGHT	1T		

INDEX BY NAME, ANATOMICAL LOCATION, AND MEASUREMENT TECHNIQUE

(VARIABLE NUMBER BY SUBSERIES: C - CORE, T - TRADITIONAL,
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KNEE CIRCUMFERENCE	38C	FACE LGTH (SELLION-MENTON)	21H
KNEE HEIGHT, SITTING	15C	FOOT LENGTH	62C
KNEELING HEIGHT	11H	FUNCTIONAL LEG LENGTH	5H
KNEELING LEG LENGTH	12H	HAND LENGTH	46C
KNEES		HEAD LENGTH	56C
BENT KNEE HEIGHT, SUPINE	13H	HORIZONTAL LGTH, KNEELING	14H
BUTTOCK-KNEE LENGTH	17C	INSTEP LENGTH	41C
HORIZONTAL LGTH, KNEELING	14H	INTERSCYE, BACK	42C
KNEECAP HEIGHT	9C	INTERSCYE, FRONT	43C
KNEE CIRCUMFERENCE	38C	KNEELING LEG LENGTH	12H
KNEE HEIGHT, SITTING	15C	NECK TO BUSTPOINT	49C
FOPLITEAL HEIGHT	16C	PALM LENGTH	57C
TIBIALE HEIGHT	8T	RADIAL-STYLEN LENGTH	28T
KNUCKLE HEIGHT	5T	SHOULDER-ELBOW LENGTH	13C
		SHOULDER LENGTH	41C
		SLEEVE INSIDE LENGTH	41C
		SLEEVE OUTSIDE LENGTH	42C
		WAIST BACK LENGTH	47C
		WAIST FRONT LENGTH	46C
LEGS			
ANKLE CIRCUMFERENCE	40C	LIF PROTRUSION TO WALL	12H
BENT KNEE HEIGHT, SUPINE	13H	LIPS	
BUTTOCK-KNEE LENGTH	17C	LIF PROTRUSION TO WALL	12H
CALF CIRCUMFERENCE	39C	MOUTH SPREADTH, SMILING	71H
CROTCH HEIGHT	7C	STICHON TO VERTEX	21H
FUNCTIONAL LEG LENGTH	5H		
HEEL-ANKLE CIRCUMFERENCE	63C	MAXILLAE	
HORIZONTAL LGTH, KNEELING	14H	PIPPACON-SUBMANDIBULAR ARC 5H	
KNEECAP HEIGHT	9C		
KNEE CIRCUMFERENCE	38C	MENTON	
KNEE HEIGHT, SITTING	15C	ELLAXION-MENTON ARC	4H
KNEELING LEG LENGTH	12H	CRINION-MENTON	24H
FOPLITEAL HEIGHT	16C	FACE LGTH (SELLION-MENTON)	23H
THIGH CLEARANCE	12T	MENTON TO VERTEX	22H
TIBIALE HEIGHT	8T	MENTON TO WALL	11H
UPPER THIGH CIRCUMFERENCE	37C	MENTON TO VERTEX	22H
		MENTON TO WALL	21H
LENGTHS		MINIMUM FACIAL BREADTH	25H
ACROMION-RADIAL LENGTH	5T	MOUTH SPREADTH, SMILING	71H
AXILLA TO WAIST	50C		
BUTTOCK-KNEE LENGTH	17C		
CROTCH LENGTH	53C		
ELBOW-FINGER TIP LENGTH	14C		
ELBOW-GRIP LENGTH	11T		

INDEX BY NAME, ANATOMICAL LOCATION, AND MEASUREMENT TECHNIQUE

(VARIABLE NUMBER BY SUBSERIES: C - CORE, T - TRADITIONAL,
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MOUTH		RADIALE	
LIP PROTRUSION TO WALL	10H	ACROMION-RACIALE LENGTH	9T
MOUTH BREADTH, SMILING	31H	ELBOW (RADIALE) HEIGHT	4T
STOMION TO VERTEX	21H	RACIALE-STYLION LENGTH	10T
NASAL ROOT/SEE SELLION		REACHES	
NECK		FUNCTIONAL REACH	2W
NECK CIRCUMFERENCE	24C	FUNCTIONAL REACH EXTENDED	3W
NECK TO BUSTPOINT	49C	OVERHEAD REACH HEIGHT	1W
SHOULDER LENGTH	41C	OVERHEAD REACH, SITTING	4W
NECK CIRCUMFERENCE	24C	SAGITTAL ARC	1H
NECK TO BUSTPOINT	49C	SELLION	
NOSE		FACE LGTH (SELLION-MENTON)	23H
NOSE BREADTH	30H	NOSE LENGTH	29H
NOSE LENGTH	29H	SELLION TO VERTEX	18H
FRONASALE TO VERTEX	19H	SELLION TO WALL	7H
FRONASALE TO WALL	8H	SELLION TO VERTEX	18H
SUBNASALE TO VERTEX	20H	SELLION TO WALL	7H
SUBNASALE TO WALL	9H	SHOULDER	
NOSE BREADTH	30H	ACROMION-RACIALE LENGTH	9T
NOSE LENGTH	29H	FEAT TCRSC BREADTH	10W
OVERHEAD REACH BREADTH	8W	BIACROMIAL BREADTH	16T
OVERHEAD REACH HEIGHT	1H	OVERHEAD REACH BREADTH	8W
OVERHEAD REACH, SITTING	4H	SHOULDER BREADTH	23C
FACE LENGTH	57C	SHOULDER CIRCUMFERENCE	25C
FOPLITEAL HEIGHT	16C	SHOULDER-ELBOW LENGTH	13C
FRONASALE TO VERTEX	19H	SHOULDER (ACROMIALE) HEIGHT	3C
FRONASALE TO WALL	8H	SHOULDER LENGTH	41C
RADIALE-STYLION LENGTH	10T	SLEEVE INSEAM LENGTH	51C
		SHOULDER BREADTH	23C
		SHOULDER CIRCUMFERENCE	23C
		SHOULDER-ELBOW LENGTH	13C
		SHOULDER (ACROMIALE) HEIGHT	3C
		SHOULDER LENGTH	41C

INDEX BY NAME, ANATOMICAL LOCATION, AND MEASUREMENT TECHNIQUE

(VARIABLE NUMBER BY SUBSCRIPTS: S - CORE, T - TRADITIONAL,
W - WORKSPACE, H - HEAD AND FACE)

SITTING HEIGHTS		SUPRACAPULAR SKINFOLD	25T
EYE HEIGHT, SITTING	12C	SUBSTERNAL HEIGHT	2T
KNEE HEIGHT, SITTING	15C	SUPRAILIAC SKINFOLD	26T
POPULTEAL HEIGHT	16C	SUPRATERNALE	
SITTING HEIGHT	11C	SUPRATERNALE HEIGHT	2T
SITTING HEIGHT	11C	WAIST FRONT LENGTH	46C
SKINFOLDS		SUPRATERNALE HEIGHT	2T
BICEPS SKINFOLD	27T	THIGHS	
SUBSCAPULAR SKINFOLD	25T	THIGH CLEARANCE	13T
SUPRAILIAC SKINFOLD	28T	THIGH-TO-THIGH REACH/SIT	14T
BICEPS SKINFOLD	26T	UPPER THIGH CIRCUMFERENCE	37C
SLEEVE INSEAM LENGTH	51C	THIGH CLEARANCE	13T
SLEEVE OUTSEAM LENGTH	52C	THIGH-TO-THIGH REACH/SIT	14T
SPHYGMON HEIGHT	69C	TIBIALE HEIGHT	8T
STATURE	2C	TORSO BACK	
STATURE (CLOTHED)	7H	BACK CURVATURE-BUST	44C
STOMION		BACK CURVATURE-HIP	45C
LIP PROTRUSION TO WALL	10H	BACK CURVATURE-WAIST	46C
MOUTH BREADTH, SPILING	31H	INTERSCYE, BACK	42C
STOMION TO VERTEX	21H	SUBSCAPULAR SKINFOLD	25T
STOMION TO VERTEX	21H	WAIST BACK LENGTH	47C
STYLION		TORSO FRONT	
HAND LENGTH	69C	INTERSCYE, FRONT	43C
RACIALE-STYLION LENGTH	10T	WAIST FRONT LENGTH	48C
WRIST CIRCUMFERENCE	36C	TRAGION	
SUPRNASALE		BITRAGION BREADTH	14H
NOSE LENGTH	29H	BITRAGION-CORONAL APC	24H
SUPRNASALE TO VERTEX	20H	BITRAGION-FRONTAL APC	34H
SUPRNASALE TO WALL	9H	BITRAGION-MENTON APC	44H
SUPRNASALE TO VERTEX	20H	BITRAGION-SUBMANDIBULAR APC	54H
SUPRNASALE TO WALL	9H	HEAD HGT (TRAGION-VERTEX)	15H
		TRAGION TO WALL	13H
		TRAGION TO WALL	13H

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TRICEPS SKINFOLD	26T	WAIST FRONT LENGTH	48C
		WAIST HEIGHT	6C
TROCHANTERIC			
HIP (TROCHANTERIC) HEIGHT	6T	WAIST BACK LENGTH	47C
TRUNK		WAIST BREADTH	21C
VERTICAL TRUNK CIRCUMFERENCE	31C		
VERTICAL TRUNK CIRCUMFERENCE/SIT	21T	WAIST CIRCUMFERENCE	29C
UPPER ARM		WAIST CIRCUMFERENCE/OMPHALION	19T
ARM SCYE CIRCUMFERENCE	32C		
AXILLARY ARM CIRCUMFERENCE	22T	WAIST DEPTH	19C
BICEPS CIRCUMFERENCE/FLEXED	33C		
BICEPS CIRCUMFERENCE/RELAXED	23T	WAIST FRONT LENGTH	48C
BICEPS SKINFOLD	27T		
TRICEPS SKINFOLD	26T	WAIST HEIGHT	6C
UPPER THIGH CIRCUMFERENCE	37C	WALL	
VERTEX		ECTOCANTHUS TO WALL	12H
BITRAGION-CORONAL ARC	2H	GLABELLA TO WALL	6H
ECTOCANTHUS TO VERTEX	16H	LIP PROTRUSION TO WALL	10H
GLABELLA TO VERTEX	17H	MENTON TO WALL	15H
HEAD HEIGHT (TRAGION-VERTEX)	15H	PRONASALE TO WALL	5H
MENTON TO VERTEX	22H	SELLION TO WALL	7H
PRONASALE TO VERTEX	19H	SUBNASALE TO WALL	5H
SELLION TO VERTEX	18H	TRAGION TO WALL	13H
SITTING HEIGHT	11C	WEIGHT	1C
STATURE	2C		
STATURE (CLOTHED)	7H	WEIGHT (CLOTHED)	6H
STOMION TO VERTEX	21H		
SUBNASALE TO VERTEX	20H	WRIST	
		RACIALE-STYLION LENGTH	1.7
VERTICAL TRUNK CIRCUMFERENCE	31C	WRIST CIRCUMFERENCE	30C
VERTICAL TRUNK CIRCUMFERENCE/SIT	21T	WRIST CIRCUMFERENCE	30C
WAIST		ZYGOMATIC	
AXILLA TO WAIST	50C	BITRAGION-SUBMANDIBULAR ARC	5H
BACK CURVATURE-WAIST	45C		
WAIST BACK LENGTH	47C		
WAIST BREADTH	21C		
WAIST CIRCUMFERENCE	29C		
WAIST CIRCUMFERENCE/OMPHALION	19T		
WAIST DEPTH	19C		